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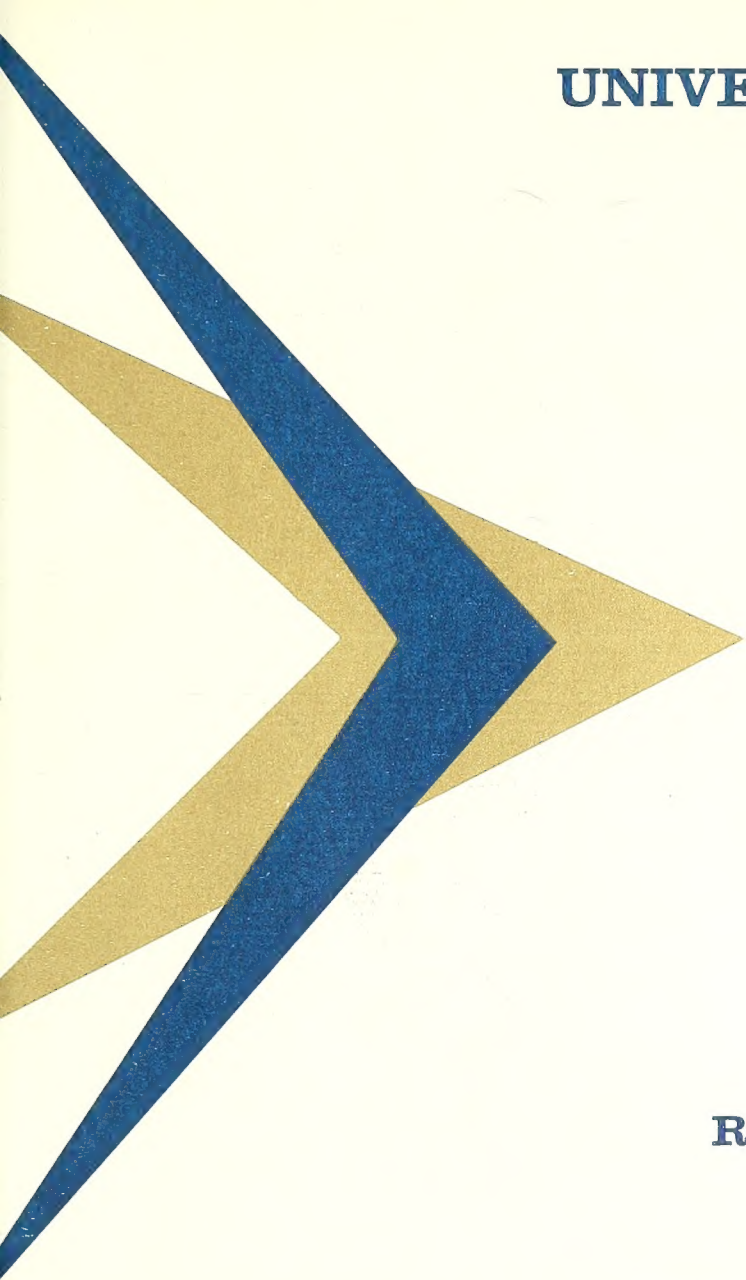








# UNIVERSITY OF MASSACHUSETTS



100 YEARS OF SERVICE

REPORT OF THE PRESIDENT • 1961

VOLUME LIV

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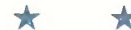
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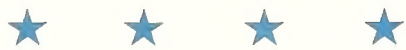




The sun never shone on such a nation,  
and such a power, . . . with such facilities  
of public advancement and improvement put into full  
and vigorous operation. Set all  
the millions of eyes in this great Republic  
to watching, and intelligently observing and thinking,  
and there is no secret of nature or art  
we cannot find out; no disease of man or beast  
we cannot understand; no evil we cannot remedy;  
no obstacle we cannot surmount; nothing that lies  
in the power of man to do or to understand,  
that cannot be understood and done.

JONATHAN BALDWIN TURNER







## To The Board of Trustees

One of the great forces contributing to progress in American history in the last century has been the continuing capacity of the Land-Grant colleges and universities to adapt to the demands of a constantly changing, constantly expanding society. Since passage of the Morrill Act of 1862, public institutions of higher learning have met the country's pressing needs from the time of the great agrarianism of the later nineteenth century to the age of space exploration now in its opening phases. These contributions have not been in the area of material progress alone. By the very nature of their objectives, the Land-Grant institutions have made comparable contributions to the social and cultural life of the nation as well.

As we at the University of Massachusetts join in observing the 100th anniversary of the signing of the Land-Grant Act of 1862, we feel that we may look back proudly on this Century of Accomplishment. But at the same time we realize that our mission is to the future, to the next 100 years. If we do indeed have an inherent and ready capacity to adapt, and if our adaptability has served society well in the past, then all that has gone before is a prologue to the great mission ahead of us.

Call it evolution or revolution, the process of history in the last 100 years has been a relentless democratizing of our educational community. Before long, the public institutions will be the dominant means of educating America's citizenry — in the arts and humanities, in science and technology, in all of the professions and callings constituting the lifeblood of a free society.

The danger, however, for any one of these institutions is that it will fail to appreciate the national role it must play. This does not mean that, to play such a role, the state university must neglect the immediate public it serves. But the people of every state are part of a whole, and no state is unique in its major attitudes and aspirations. All these are bound up in the national purpose, in the best objectives of American society — and no state really prospers unless, educationally and otherwise, it contributes



to the prosperity of the nation as a whole. The current "master plan" of any Land-Grant institution, therefore, must be based on our national objectives, on those goals which for our time in history, impel all Americans to work for a better national and world community.

The following report, though not exhaustive, is an attempt to show the various ways in which the University of Massachusetts during the year 1961 sought to fulfill these goals and objectives.

Respectfully,

JOHN W. LEDERLE  
PRESIDENT

# THE STUDENT: INDIVIDUAL IN AN EXPANDING SOCIETY

During the year covered by this Report, the American educational community continued to express insistent concern over numbers — the numbers of students coming out of our exploding population and into the colleges and universities of the land.

For the past decade, this has been the theme under which most institutions of higher learning have labored. And though repetition of a theme may become irritating, the American public will hear this one for many years to come. If we wish even minimally to fulfill our national goals and maintain ourselves as a society and a culture, we must acknowledge, much more than we have so far, that these numbers are not mere statistics of little concern to most of us, but that they represent the basic resource of a free and progressive nation.

Here at the University of Massachusetts, the Registrar's Office in 1961 submitted dramatic evidence of the abundance and ready availability of this resource. The Registrar's Report indicated that for the academic year 1954 a total of 3,281 applicants sought admission to a freshman class necessarily limited to 1,200 places. In 1961, a total of 6,521 students applied for admission to a first-year class of 1,850. Thus, while the applications over this short seven-year period increased by 200 per cent, the number of available places in the freshman class increased by only 58 per cent. And even if we allow for the increasing propensity among students to file duplicate applications, it is still obvious that the Commonwealth and the country are losing the fine potential of the numerous applicants for whom there are no places.

This does not mean that the University of Massachusetts has lagged in trying to provide places for all qualified applicants. Through the enlightened

support of the General Court, immense strides have been taken in providing the facilities needed to do an adequate job. The press of applicants is so great, however, that the short range is not time enough in which to catch up and move forward.

With 92 per cent of the cities and towns of Massachusetts represented in the student body, the University today enrolls 7,000 students, more than it ever has in its history — and each new year sets a new record for enrollment. All of this indicates that here at the University, and at public universities throughout the country, there must be adequate planning for an effective response to the challenge of numbers. And yet, the enrollment problem is only the most overt element in a situation that involves crises and opportunities unlike any experienced in similar degree since the nation's founding. Our principal concern is to turn all this to good account, to convert crisis into opportunity, and problems into accomplishments.

Viewing our undergraduates as a principal natural resource, we took steps in 1961 to help students realize their greatest individual potential. Perhaps the most important step was the establishment of the post of Dean of Students. In an increasingly complex curricular and extracurricular program, the need for coordination of efforts to spur our students to greater degrees of individual excellence has been the most persistent that we have had. If it is indeed one of the nation's highest concerns that her citizens have every chance to develop as "human beings of infinite worth," then our educational institutions must be prepared as never before to translate opportunity into action through specific mechanisms of wise administration. Creation of the new position of Dean of Students at long last gives us the means of establishing these mechanisms in effective fashion.

Among the new Dean's responsibilities is that of guidance of our undergraduates toward the best use of their intellectual energies. Great gains have already been made in our general program through the excellent summer testing and counseling sessions held each year for all of our entering freshmen. Early determination of the degree and kind of talent possessed by each student has meant a decrease in heartbreak and waste among those who need careful guidance in building their college careers.

Allied with freshman testing and counseling has been the Advanced Placement Program which in 1961 gave strong evidence that Massachusetts students are getting more than satisfactory instruction in most of the Commonwealth's secondary schools. Thus, approximately one-third of the freshman class entering in September 1961 earned the right to by-pass one or more introductory courses and go on to advanced courses.

" . . . the basic resource

of a free

and progressive

society"

In addition, the University found that the number of talented students was high enough to permit the Honors Colloquium Program to enroll freshmen as well as sophomores and juniors. Although the freshman program would not begin until the second semester of the academic year 1961-62, it was amply clear that not only were many of our freshmen able to take these special seminars requiring a great amount of independent effort, but some of the first-year students could in fact jump to the sophomore colloquia. These and other activities on behalf of our superior students, now constituting a complete freshman-to-senior Honors Program, are directed toward giving each of our undergraduates freedom to develop his capacities to the fullest.

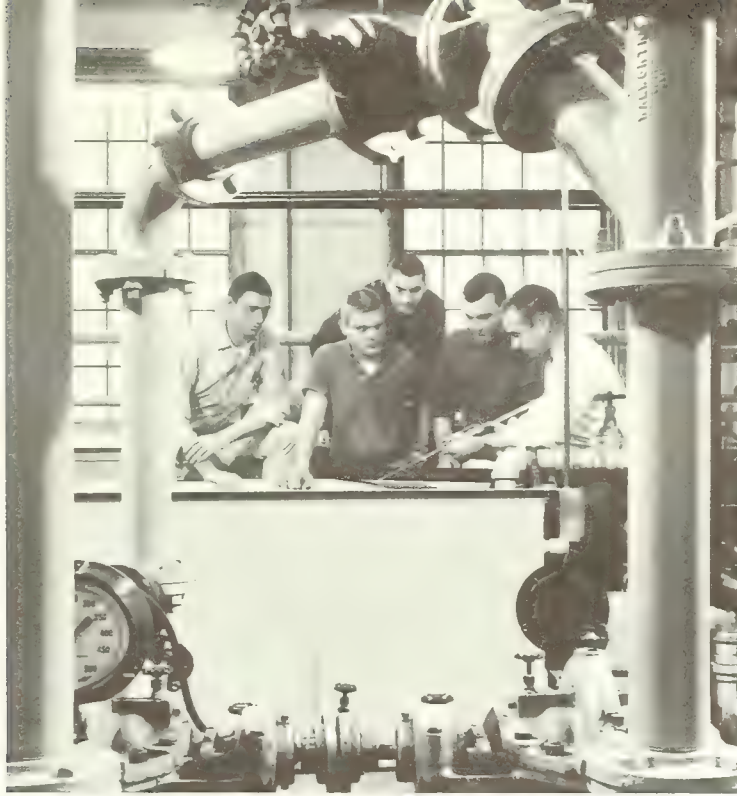
In some quarters, creation of such opportunities for the most talented is considered the major aim. But what of the "average" student? More often than is reasonable, the less-talented scholar (by purely academic standards) is shunted to the hinterland instead of getting the close attention society should give him.

If in this critical era "every American is summoned to extraordinary personal responsibility, sustained effort, and sacrifice,"\* then our notion of the kinds of students meriting a reciprocal degree of concern must include those who on their records demonstrate something less than brilliant achievement. Our conception of excellence must admit of gradations. There is the excellence sustained by the obviously outstanding scholar — but there

\*Goals for Americans; The Report of the President's Commission on National Goals, New York, 1960, p. 1.







is also the excellence of the student who, though not intellectually exceptional, performs effectively because of superior motivation.

Most important of all, then, we must not make idle claims that we are interested in *all* our students when in actual practice we often reveal that this is not true. Professors concerned with development of honors programs for the limited few who can profitably proceed at an advanced pace with a minimum of formal direction should give attention also to the generality of students who need their guidance even more.

Our democratic approach to higher education, unparalleled on such a broad scale, must sustain itself on a balanced basis. To appear to believe in such a democratic approach, and to practice something different, is to turn away from an historic process that the educationally dispossessed of many fully developed nations would give much to experience.

Indispensable frame of reference —  
teacher and student,  
mind to mind

All of our state universities must therefore regard the role of the teacher on campus as first among all functions undertaken in the total program, though obviously not to the exclusion of other important and allied functions. We must have more “men of substance” in our classrooms, men who actively pursue the scholarly life and effectively communicate both the fact and the spirit of knowledge to their classes. While we strongly encourage research and publication, we look first for the teacher-scholar who demonstrates that he is committed to imparting knowledge and the zest of learning to his students.

The clear danger in any other commitment in the undergraduate program is that our students will find the search for knowledge a perfunctory pursuit — as evidenced in the uninspired meanderings of many of today’s expositions from the front of the classroom. The allied danger is that graduate education and advanced research will surely atrophy if the will of our undergraduates to aspire to these higher activities is blighted by poor teaching.

It is mandatory, therefore, that we continue to guard and cherish the teaching function as the most productive means we have to insure the flow of dedicated graduates into the more demanding channels of advanced study or careers among the various professions. If we produce only mediocrities born of a system of mediocre instruction, then we have failed as a university. Through all the resources in our power, this we do not aim to do.

The University in 1961 expressed its concern not only for the academic well-being of students, but also for their economic welfare. At a time when voices are still being raised against the idea that education is an investment worthy of enlightened support by the public whom it serves, the Office of the Dean of Students conducted a survey of parents of the members of our freshman class.

The responses dramatically indicated that if we are to win in the Cold War “competition of brains,” we must be willing *as a society* to see to it that the desire of our young people to enter college is not blunted by the prospect of mounting college costs. Although some student borrowing is





Interest and commitment —  
the vital ingredients

necessary, we consider unrealistic the proposals made in some quarters that students be forced to take major loans as a means of defraying costs. A society of individuals dragged down by large debts at an early stage in their lives is hardly a society free to accomplish great things.

Our survey\*\* clearly showed that the earning power of parents is far from enough to pay a student's way through college, even with the relief provided by summer earnings. Many parents have two or three or more children in college at the same time, and the financial drain is therefore enormous. Effective relief must come, to a great extent, through increases in the scholarship and small-loan funds by which our students can be helped to move with reasonable serenity through their four years of college.

We are particularly interested in raising our scholarship funds from the relatively meager amounts we now apportion among our needier students to the much larger funds we should have to do our job well. Because we

believe that scholarship grants are investments in our society and economy, we feel strongly that such funds should come from all sectors of society — from private individuals and foundations, from business and industrial organizations, and from the State and Federal governments.

Through these means we can much more effectively oppose the rising tide of college-trained youth in the Iron Curtain countries with an even greater tide of well-educated young people here in the United States. Sustaining this preponderance may well mean ultimate victory in the clash of competing ideologies.

*\*\*Copies of Parents' Ability to Meet College Costs at the University of Massachusetts are available at the University's Office of Institutional Studies.*

... in engineering



... in science



... in art



# THE UNIVERSITY AND THE LARGER COMMUNITY

In 1961 the University of Massachusetts made significant gains in its program on campus and in the larger community it serves beyond the environs of Amherst.

Important developments on campus included six major appointments — Dr. Gilbert L. Woodside as Provost, Dr. William F. Field as Dean of Students, Dr. I. Moyer Hunsberger as Dean of the College of Arts and Sciences, Dr. Arless Spielman as Dean of the College of Agriculture, Dr. Marion Niederpruem as Dean of the School of Home Economics, and Dr. Leo Redfern as Director of the new Office of Institutional Studies.

In addition to a number of changes and improvements in the undergraduate curriculum, the University took great strides forward in the opening of the Research Computing Center and the Polymer Research Institute. Both facilities reflect the growing importance attached to the advanced studies program undertaken by University researchers on a concerted basis.

To the great community beyond the campus, the University as a Land-Grant institution manifested its commitment in many ways. Perhaps the most refreshing activity undertaken on behalf of the “larger community” was that of the men’s senior honor society, Adelpia. As members of SCOPE, the Special Committee on Promising Entrants, Adelpians joined with faculty members on the committee in planning to bring to campus outstanding juniors from high schools throughout the Commonwealth. Scheduled to begin in April, 1962, the visits have been planned as a means of introducing superior high school students to the facilities available to them at a modern state university.

Among the most important aspects of this activity is the time and energy put into the project by each member of Adelpia as a means of attracting talented high school students to the University of Massachusetts. The

success of the program is almost certainly assured when University students evince sufficient pride in the values inculcated at their institution to want to spread the word about it. The administration applauds the obligation Adelpia has undertaken and looks forward to the successes it will sustain in its efforts.

The University’s faculty, like its students, has continued to conduct major activities serving important constituencies within the state. The Science Fair held in 1961 was again a very important success, bringing to the campus some of the most creative young minds produced in area schools. Allied with the Fair was a Science Congress conducted for high school teachers of science and mathematics. The combined event was a significant experience for all who participated in it.

The annual Prize Competition in Mathematics was again held in 1961 under University auspices. Supported by several insurance companies and conducted by the Department of Mathematics, the Competition enjoyed state-wide interest and served effectively to indicate that such University-initiated activities are very important in maintaining vital incentives among our secondary school students.

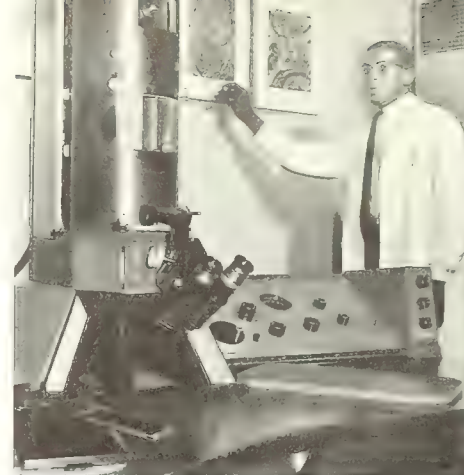
Service to the community:  
display at University Open House



RESEARCH:  
VITAL MISSION  
IN THE PUBLIC INTEREST



Work in environmental  
psychophysiology



Deep cell study —  
using the electron microscope

The Bureau of Government Research rendered direct public service to the Commonwealth's municipalities through its continuously expanding program. A major accomplishment in 1961 was the establishment of the Massachusetts League of Cities and Towns, inaugurated with the active support and help of the University's Bureau. Requests for publications continue to rise, and staff members of the Bureau are increasingly called upon to participate in meetings of civic groups and public officials.

The Speech and Hearing Center continued to serve the needs of hundreds of afflicted children and adults. Crucial help was given to University students who have speech or hearing problems. In the all-important training program for therapists, a major advance was the establishment of a graduate program for master's degree candidates. In addition, plans have been initiated for the development of a doctoral curriculum in this vital area under the Four College Cooperation Program. Also, complete details were worked out between the University and the Lemuel Shattuck Hospital in Jamaica Plain for supervised clinical practice for advanced students in speech and hearing therapy. The impact of such a comprehensive training program will be felt in striking measure in the years to come. It promises to relieve to a very great extent the needless waste of human talents and resources resulting from correctible speech and hearing deficiencies.

The School of Education's new building has facilitated the fostering of programs having impact on the educational community throughout the

Commonwealth. The Mark's Meadow School, through its experimental approach to teaching techniques on the elementary level, has already spurred the interest of a wide audience of teachers, administrators and researchers. Facilities such as the reading clinic have given rise to expectations that the School of Education in its research program will make solid contributions along a broad front.

Various departments have conducted special lecture and seminar programs for teachers in the Commonwealth's school systems. The Botany and Chemistry departments, for instance, maintained research participation programs under grants from the National Science Foundation for high school teachers, college instructors, and superior undergraduates.

The Department of Romance Languages continued to make important contributions to the Commonwealth's teachers in this field. The Romance Languages faculty published the *Bay State Foreign Language Bulletin*, issued to all high school teachers in the field; edited *Hispanofila*, an outstanding literary and scholarly periodical; and conducted tours and demonstrations of the 80-booth Language Laboratory which is serving as a prototype for many secondary school facilities of this kind.

The student-sponsored Distinguished Visitors Program and the War Memorial Lectures sponsored by the Associate Alumni gave students, faculty and people from the surrounding area excellent opportunities to hear world figures discuss topics of major importance. The War Memorial

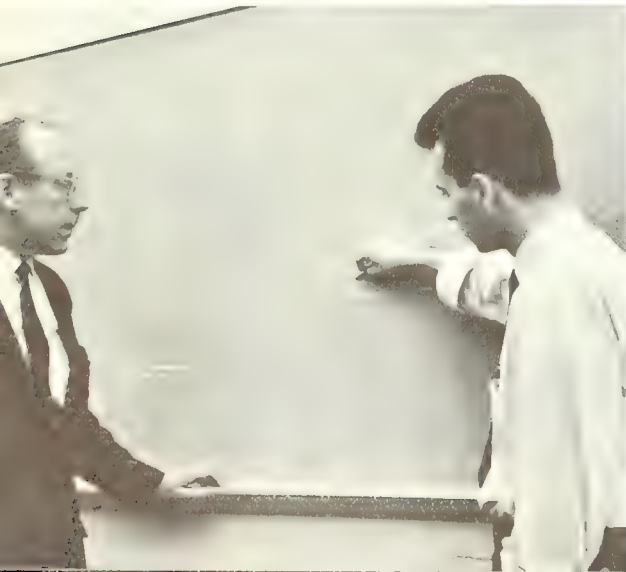
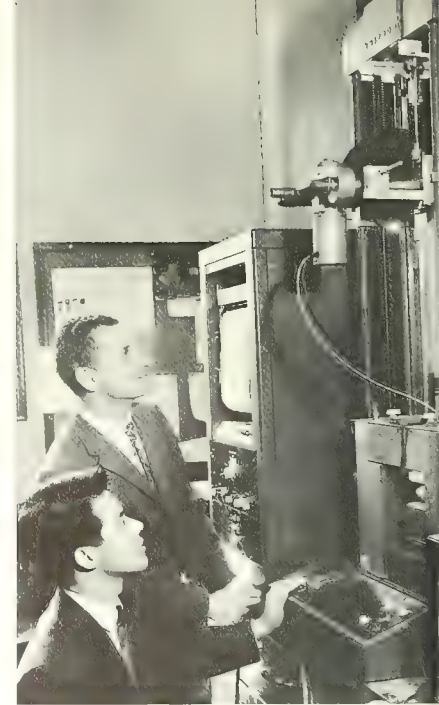


Lecturers in 1961 included historian Oscar Handlin and poet Robert Frost. The much-honored American "poet-laureate" spoke in the fall to perhaps the largest audience ever gathered in the Student Union — 3000 persons. Through the facilities of the campus radio station WMUA-FM and the Four College station WFCR-FM, Mr. Frost's reading was beamed live down the Eastern seaboard along a network of stations extending to Washington, D. C.

The Distinguished Visitors Program brought Aaron Copland and Mrs. Eleanor Roosevelt to the campus and cooperated with University departments in bringing other speakers. The Department of Government through its Colloquia in Political Science sponsored appearances by former French premier Pierre Mendes-France and Madame Lakshmi Menon, Deputy Foreign Minister of India — among many others.

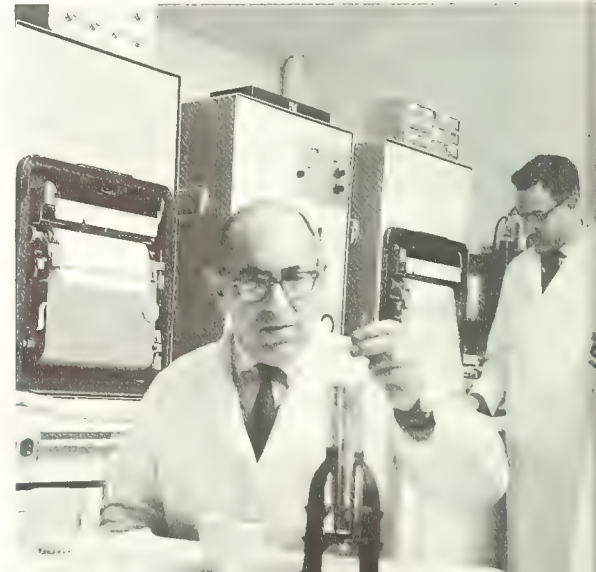
Nationally, the University has been making major contributions in committees whose membership includes personnel from our faculty. Thus, Dr. Merit P. White of the Department of Civil Engineering continues to serve as chairman of the Protective Construction Committee of the National Academy of Sciences. A consultant to the U. S. Air Force, he was a U. S. delegate to the International Association for Materials and Structures.

Concerted study for greater understanding of plastics and their properties — in the new Polymer Research Institute. This and other advanced studies at the University are served by the Research Computing Center, major data-processing facility opened in 1961.



Left — Mathematics for the shaping of a modern world — work in civil engineering

Right — Gas chromatographic analysis in food science and technology.





In the College of Agriculture, Dean Arless A. Spielman was appointed to the *ad hoc* committee of the Cooperative State Experiment Station Service for Federal-State Relations. He was also named by the Governor of the Commonwealth as Council Coordinator representing Massachusetts to the Food for Peace Council. Professor George Westcott of the Department of Agricultural and Food Economics was appointed by the U. S. State Department as a special consultant on the economic development of the north-east region of Brazil, where he spent several months as part of a study team. Also appointed a special consultant was Dr. Warren Litsky of the Department of Microbiology. Dr. Litsky was named by the U. S. Public Health Service to a three-year consultative post with the Research Branch, Division of Water Supplies and Pollution Control of the New York Regional Office.

One of the most important developments in the academic program in 1961 was the establishment of an exchange arrangement involving students from the University of Massachusetts, the University of Florida at Tallahassee, and the University of New Mexico. The program calls for a semester's exchange of students in the teacher-training curriculum of each of the participating universities. The *New York Times* cited the program as a potentially important means of breaking down sectional barriers to understanding and national educational development.

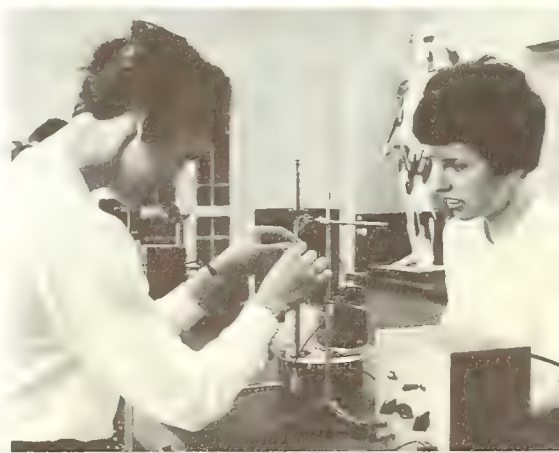
Two members of the Department of Zoology entered a program conducted by the American Institute of Biological Sciences for work with high school groups throughout the United States. Dr. William B. Nutting visited Hawaii in connection with this work, and he and Dr. Lawrence Bartlett fulfilled other assignments under the program's auspices.

On the international scene, the University made various contributions. The School of Business Administration, in conjunction with the Experiment in International Living, once again conducted its highly successful Junior Executive Training Program for young European businessmen. Dean Albert W. Purvis of the School of Education was leader of an American team of educators exploring the possibility of establishing a girls' school in Uganda — a project fostered by the U. S. State Department as part of a program to serve the African nations in their thirst for education.

The stature of many of our scholars can be gauged by the assignments they receive for various national and international activities. In 1961, for instance, Dr. Bronislaw M. Honigberg of the Department of Zoology attended the First International Conference on Protozoology in Prague, Czechoslovakia, and presented lectures in Poland and Israel. Dr. I. Moyer



Teacher, engineer, scientist of tomorrow — students are introduced to the challenges and opportunities of the professional in a complex society.



Hunsberger, Dean of the College of Arts and Sciences, is directing a nationwide study of chemical notation systems for the National Academy of Sciences and the National Research Council. The study is being supported by a National Science Foundation grant. Dr. H. T. U. Smith, head of the Department of Geology, was a member of the U. S. delegation to the International Quaternary Association Congress in Poland. Dr. Luther Allen was Visiting Professor at the University of Saigon in South Vietnam under a Smith-Mundt Grant. Dr. Thomas Copeland of the Department of English spent much of the year in England where he continued his work as Editor-in-Chief of a projected eight-volume collection of the private papers of Edmund Burke. Dr. Copeland is the general director of a project to which many important scholars of the English-speaking world are making contributions. Professor Walter G. O'Donnell of the School of Business Administration served during the summer as consultant in management at the University of Puerto Rico and aided in the development of the University's graduate program. As chairman (and founder) of the newly established College of Philosophy of the Institute of Management Science, Professor O'Donnell presented a paper at the Institute's meeting in Brussels, Belgium. Several members of the faculty held Fulbright and other grants for study and lecturing in areas as far apart as Iceland and New Zealand.

Although the ICA-sponsored exchange program with Hokkaido University in Japan has terminated, it is expected that, under other auspices, the exchange will continue as it has in the past — productively for both institutional participants.

*The Massachusetts Review*, originally founded on the University's campus, continued to speak as a distinguished organ in the fields of art, literature, and public affairs. In 1961 the magazine became a Four College Project after the voting of funds to support the *Review* for a three-year period. The magazine is literally an international periodical, not only in the wide-ranging nature of its contents, but in the following it enjoys among subscribers and contributors in many countries of the world.

Incomplete though this listing may be, it should serve to show that there is vitality, commitment, and distinction in the activities carried on by the University in "the larger community." We intend to go further. We intend to increase and enrich our programs so that our objectives may help materially in furthering the general objectives of our national community. Given this great variety of resources, and the historic capacity of Land-Grant institutions to adapt to changing conditions, we are better able than ever to serve these objectives.

## THE UNIVERSITY AND THE DEMOCRATIC PROCESS

It is one of the paradoxes of American democracy that our citizenry, generally realizing that it can maintain democratic institutions only through the political or governmental process, is nevertheless often apathetic about that process. The voter often concludes that "politics is dirty business" and turns his back on the ballot box and all other instrumentalities dedicated to preserving a democratic society.

This is wrong. And a public university must use its instructional and research resources in positive programs serving to counter the "alienated" citizen's ready tendency to decry and deplore the processes under which all Americans remain free.

One of the University's chief means of providing substantive evidence that politics can be a matter of high statesmanship and dedicated service is through the Distinguished Public Affairs Professorship, now in its second year. Established under a grant from the Ford Foundation, the program calls for the appointment each semester of a distinguished public servant to teach as a visiting professor in the Department of Government. Former U. S. Senator, the Honorable Ralph Flanders of Vermont was the first incumbent; he was followed by another former Senator, the Honorable Earle C. Clements of Kentucky. Appointed to succeed Senator Clements was Neil Staebler, former Chairman of the Democratic State Central Committee of Michigan. The Honorable Meade Alcorn of Connecticut, National Chairman of the Republican Party for a number of years, will serve in the program in the first semester of the academic year 1962-63.

Through its Department of Government, the University conducts another program designed as a specific means of attracting competent students into public service positions. The University, in conjunction with the Graduate School of Public Administration at Harvard and the departments of political science at the Massachusetts Institute of Technology and Boston University, maintains a cooperative internship program with the State Commission on Administration and Finance. Under grants provided by the Carnegie Corporation, carefully chosen graduate students spend two years in the program, the first year in offices of the state government and the second



pursuing graduate study at one of the four participating institutions. In 1961, five University students were undergoing intern training.

Mention has already been made of vital activities conducted by the Bureau of Government Research. Its contribution in depth to the democratic process in our cities and towns can be further documented in citing, for instance, the 27 seminars held for selectmen, planning boards and public works officials in a number of Massachusetts municipalities. In addition, the Bureau held conferences for city and town managers, highway personnel, public assistance officials, and assessors. Culmination of all this activity in 1961 was the annual Governor's Conference on State, County, and Municipal Relations. Through sharp discussion and exchange of information, this campus event indicated anew that a university is a deeply involved force for maintaining a free forum on topics of vital concern to all in a democratic community.

The University in 1961 held a highly successful Legislators' Day for Representatives and Senators of the Massachusetts General Court. Proceeding on the philosophy that a public university must always be ready to stand full inspection by the people and their representatives, we initiated the program for legislators with a day-long schedule of events on the campus in Amherst. Approximately 80 members of the General Court, led by the President of the Senate and the Speaker of the House, participated in the program along with students, faculty and staff from the University community. There is no question that greater mutual understanding was fostered as a result of Legislators' Day activities. The program will now become a regular part of the University calendar, and hopefully soon we will be hosts to the entire legislative body meeting under informal circumstances on a campus largely built by the far-sighted support of that body.

In 1961, too, plans were being considered for the eventual opening of other facilities having direct bearing on the democratic process and on general public improvement along a broad front. A major development along these lines was the establishment of the Population Research Institute jointly administered by the Department of Sociology and Anthropology and the Department of Agricultural and Food Economics in cooperation with the Massachusetts Extension Service and various other University units. The work of the Institute, directed toward supplying significant interpretations of Massachusetts population data, should be of great value in furthering the objectives of extension and regional development programs.



The campus — important setting for vital involvement in the democratic process.

# TOWARD THE CENTENNIAL — AND GREATER FREEDOM TO SERVE

All of the developments discussed in the preceding pages are important to the real constituency the University serves — the people of the Commonwealth and hence the people of America. Our goals and objectives must be the goals and objectives of the larger community in which we find ourselves.

What has occurred in 1961 can therefore be seen as an approach to a new phase of University development. As the University observes its Centennial in the academic year 1962–63, it can look back with a sense of pride for the way it has given strong evidence of its ability to adapt to new conditions in a changing society.

But our Centennial will be dedicated to the future which the University can materially help to build — in the Commonwealth, in the nation, and in the world at large. This is not an exaggerated aim. What it means is that the University is not apart from the great community of public institutions that make the United States a pioneer in democratic education. The Land-Grant colleges and universities will thus work in concert in the great age ahead to establish new levels of dignity and hope for mankind at home and abroad.

## A MODERN FACE FOR THE UNIVERSITY'S CENTENNIAL

Health Service



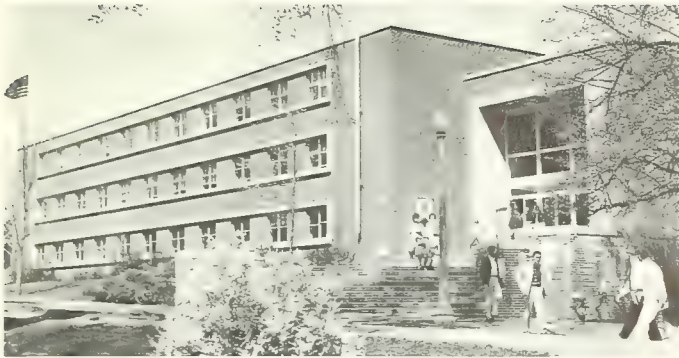
Student Union



Morrill Science Center







Machmer Hall



Public Health Center



School of Education

But to do this, each institution must have the freedom to serve. It must have sufficient authority granted to its governing body to permit a right assessment of national goals and a ready means of effecting the policies and programs needed to fulfill these goals.

In 1961 the University of Massachusetts was still hampered by controls laid upon it by centralized state agencies. Impediments continued to exist in the areas of personnel recruitment and retention, purchasing and printing, staff travel, and fiscal operations.

One of the greatest steps forward, however, was that made by the Special Commission on Budgetary Powers at the University of Massachusetts — a distinguished body of public and private members charged by the legislative leadership to report on the merits of granting greater self-management authority to the University's Board of Trustees.

Prior to the publication of this Report, the Commission made recommendations supporting the University in its effort to become equal to other state universities in fiscal organization and management responsibilities. The Commission recommendations, once enacted into law, would give the University the "authority commensurate with responsibility" that is needed to take on the major tasks awaiting us in and beyond the Centennial Year.

Given this authority and this responsibility, the University must and will become the chief public resource for greatness in the Commonwealth's educational program. The demands of the new age now upon us are far less matters for unreasonable concern than they are opportunities to achieve major gains in the improvement of people and institutions throughout the world. Education — free to do the job that must be done — is unquestionably the readiest and most effective instrument we have to turn the tide of history in the direction of lasting light and supreme accomplishment under conditions of peace. As the University of Massachusetts begins looking to its second hundred years, it takes this goal as its mandate.

John W. Lederle  
*President*

May 1, 1962 \_\_\_\_\_

# REPORT OF THE TREASURER

*where the operating dollar comes from . . .*

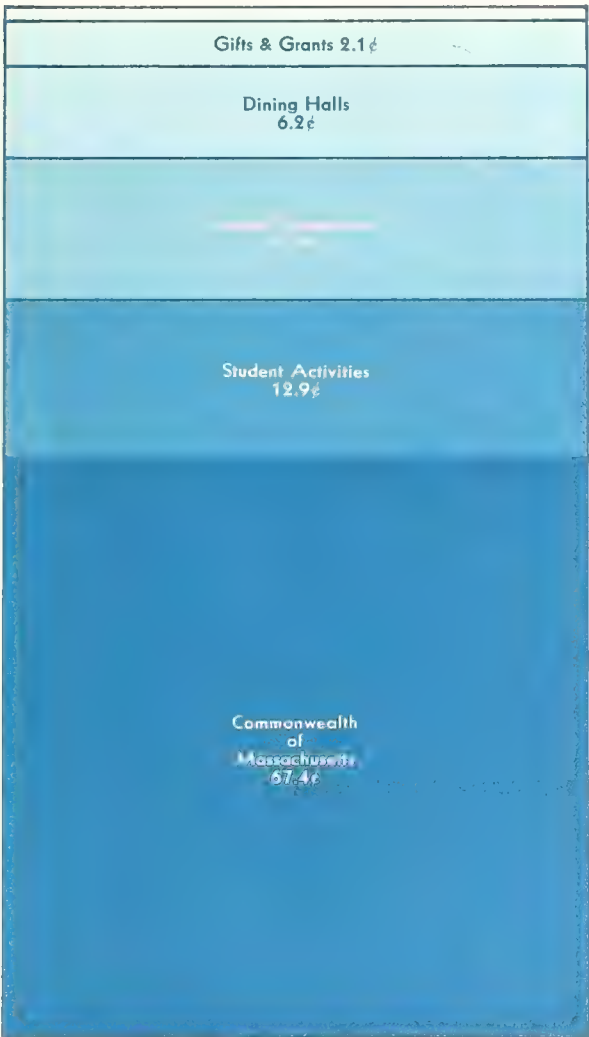
For the fiscal year 1961 the University received from all sources \$15,304,266 for operating purposes. Of this, a total of \$10,321,842 was appropriated by the Commonwealth, amounting to 67.4 cents out of each operating dollar.

However, the University returned to the State Treasurer, as required by the State Constitution, \$2,920,676 representing collections for student tuition, board and room, and sundry sales and services. Thus, the net cost to the taxpayer was only \$7,401,166 or 48.4 cents out of each operating dollar.

The following sources provided the balance of the operating dollar: Federal government 11.2 cents, student activities 12.9 cents, dining halls 6.2 cents, gifts and grants 2.1 cents, and endowment income 0.2 cent.

SOURCE	Total Am't.	Percent of Total
COMMONWEALTH OF MASSACHUSETTS:		
FUNDS PROVIDED BY UNIVERSITY RECEIPTS		
DINING HALLS	\$ 88,672.08*	0.6
RESIDENCE HALLS	1,135,151.70	7.4
TUITION	1,292,400.03	8.4
SALES AND SERVICES	404,451.92	2.6
SUB-TOTAL	\$ 2,920,675.73	19.0
NET FUNDS PROVIDED BY THE TAXPAYER	7,401,166.36	48.4
TOTAL	\$10,321,842.09	67.4
FEDERAL GOVERNMENT	1,712,681.57	11.2
STUDENT ACTIVITIES	1,972,159.19	12.9
GIFTS AND GRANTS	319,075.86	2.1
AUXILIARY ENTERPRISES -- DINING HALLS	953,887.30	6.2
ENDOWMENT INCOME	24,620.18	0.2
TOTAL RECEIPTS	\$15,304,266.19	100.0

\*DINING HALLS WERE OPERATED BY STATE APPROPRIATION FOR 3 MONTHS AND THEN TRANSFERRED TO TRUST FUNDS.



Endowment 0.2¢

BUT - - -  
of the 67.4¢ from the Commonwealth a total of 19.0¢ was returned to the Commonwealth as shown:



## *how it is spent . . .*

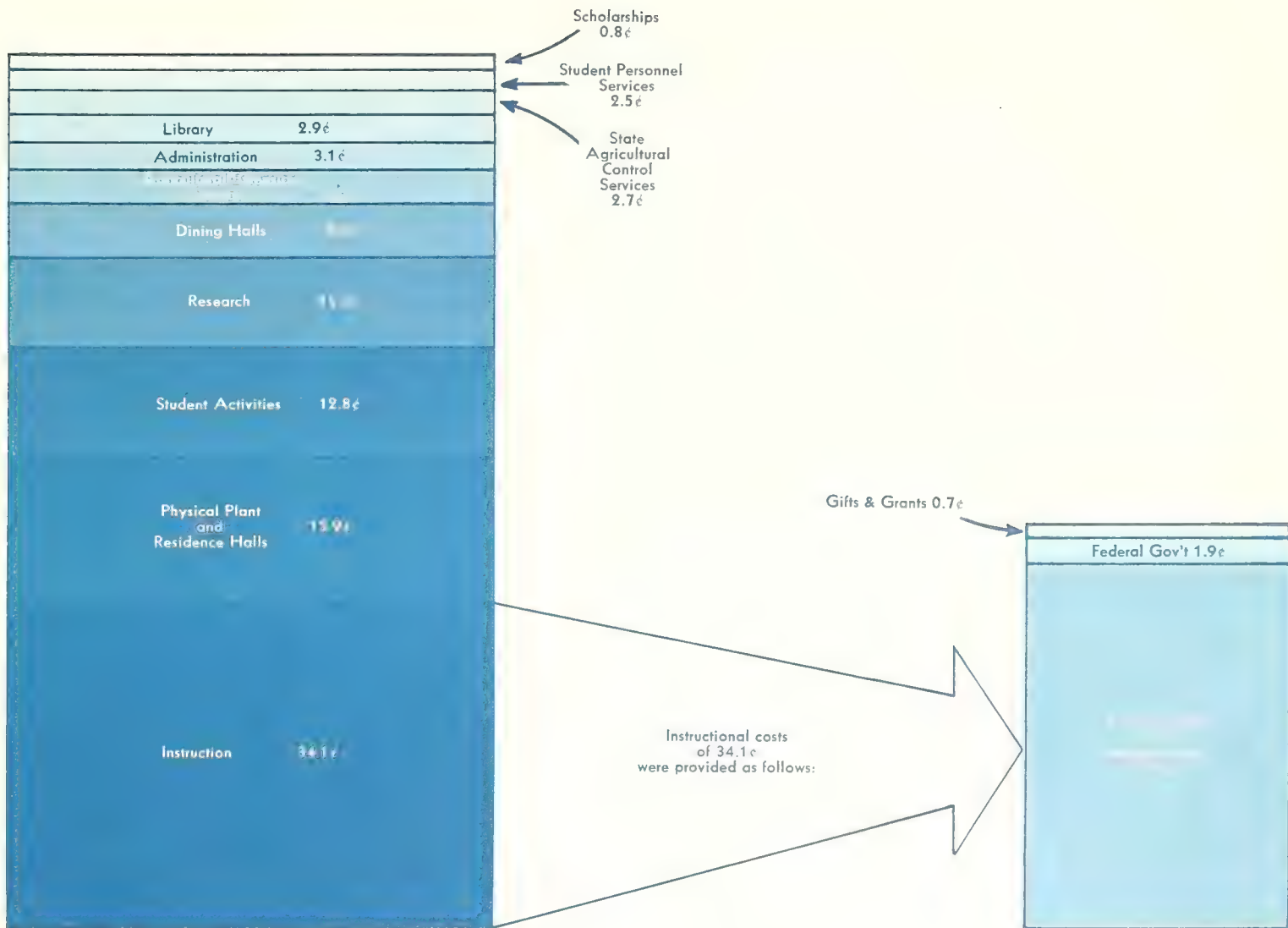
Direct instructional costs naturally represented the largest single operating expenditure requiring \$5,214,497 (or 34.1 cents of each dollar) out of total expenditures of \$15,304,266. Research and library, expenditures closely related to instructional costs, required 12.3 and 2.9 respectively of the operating dollar. Agricultural extension services and state agricultural control services required 6.1 cents and 2.7 cents each.

Operating and maintenance of the physical plant and residence halls accounted for 15.9 cents of the dollar. Six and eight-tenths cents of every dollar went toward dining hall operations and 12.8 cents into student activities. The remainder of the operating dollar was expended as follows: administration 3.1 cents, student personnel services 2.5 cents, and scholarships 0.8 cent.

The box on the right shows that of the 34.1 cents spent for direct instructional costs, a total of 31.5 cents (93 per cent) was provided by state appropriations. The remainder — 2.6 cents (7 per cent) — was provided by the Federal government and from gifts and grants.

FUNCTION	Total Am't.	Percent of Total
INSTRUCTION:		
STATE FUNDS	\$ 4,823,578.57	31.5
FEDERAL FUNDS	295,306.80	1.9
GIFTS AND GRANTS	95,611.62	0.7
TOTAL INSTRUCTION	\$ 5,214,496.99	34.1
LIBRARY	437,496.04	2.9
RESEARCH	1,884,912.59	12.3
AGRICULTURAL EXTENSION	938,933.30	6.1
STATE AGRICULTURAL CONTROL SERVICES	410,966.91	2.7
DINING HALLS	1,039,212.72	6.8
PHYSICAL PLANT AND RESIDENCE HALLS	2,434,124.30	15.9
ADMINISTRATION	473,478.74	3.1
STUDENT SERVICES	371,175.90	2.5
SCHOLARSHIPS	127,309.51	0.8
STUDENT ACTIVITIES	1,972,159.19	12.8
TOTAL DISBURSEMENTS	\$15,304,266.19	100.0





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1961

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UNIVERSITY OF MASSACHUSETTS

FINANCIAL REPORT

FOR THE YEAR ENDED JUNE 30, 1961

KENNETH W. JOHNSON  
TREASURER

Publication of this document approved by Alfred C. Holland, State Purchasing Agent.

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## Table of Contents

	<u>Schedule</u>	<u>Page</u>
Balance Sheet	A	1
Summary of Receipts and Expenditures	B	3
Balance Sheet - Supporting Schedules:		
Endowment Funds - Principal - Investment	A-1	5
Endowment Funds - Income - Receipts & Expenditures	A-2	10
Endowment Funds - Principal - Summary Statement	A-3	11
Student Loan Funds - Summary Statement	A-4	12
Summary of Receipts & Expenditures - Supporting Schedules:		
State Appropriations - by Subsidiary Accounts	B-1	13
Special Appropriations	B-2	14
Capital Outlay Appropriations	B-3	14
Comparative Statement of State Income	B-4	16
Federal Funds - Receipts and Disbursements	B-5	18
Trust Funds - Receipts and Disbursements	B-6	19
Agency Funds - Receipts and Disbursements	B-7	20
Special Gifts - Receipts and Disbursements	B-8	21
Capital Outlay and Special Appropriations - Receipts and Expenditures	B-9	25
Maintenance Appropriations - by Subsidiary Accounts	C	26
Summary of State and Federal Appropriation Receipts	D	27
Maintenance Appropriations - Comparative Expenditures	E	28
Maintenance Appropriations - Expenditures by Subsidiary Accounts & Budgetary Divisions	F	29
Fiscal Year Expenditure Summary - by Budget Divisions and Departments	G	30
Boarding Halls - Receipts and Expenditures	H	35
Intercollegiate Athletics - Summary of Receipts and Disbursements	I	36
Recognized Student Organizations - Receipts and Disbursements	J	37
Student Union - University Store - Income & Expense	K-1	38
Student Union - University Store - Balance Sheet	K-2	39
Student Union - Food Service - Income & Expense	K-3	40
Student Union - Food Service - Balance Sheet	K-4	41
Student Union General Fund - Income & Expenditures	K-5	42
Student Union General Fund - Balance Sheet	K-6	43
Student Union Reserve Fund - Balance Sheet	K-7	44
Inventory of Land	L	45
Inventory of Buildings and Structures	L-1	46
Inventory of Improvements other than Buildings	L-2	50



Audit

In accordance with state law, all accounts of the University are examined each year by the State Auditor.

The last audit covered the period of this report from July 1, 1960 to June 30, 1961.

All statements and schedules of state funds contained herein have been examined and verified by the Comptroller's Bureau of the Commonwealth.

## Schedule A

Balance Sheet as of June 30, 1961

Assets

I. State Funds		
Appropriation Balances held by State Treasurer:		
Other Maintenance		\$ 47,797.87
Special Appropriations		693.94
Capital Outlay		513,311.86
Accounts Receivable		4,395.52
Inventory of Supplies		<u>621,448.47</u>
		\$ 1,187,647.66
II. Federal Funds		
Cash - First National Bank of Amherst		61,197.88
Notes Receivable - National Defense Student Loan Fund		<u>118,699.95</u>
		179,897.83
III. Endowment Funds (Schedule A-1)		
Income Account - Cash, Amherst Savings Bank		10,000.00
Income Account - Cash, The First National Bank of Amherst		11,742.84
Principal Account - Amherst Savings Bank		5,031.79
Principal Account - Cash, The First National Bank of Amherst		49,101.11
Principal Account - Pool Investment Securities		393,515.29
Principal Account - Securities not Pooled		7,500.00
Principal Account - Investment - Land		116,228.90
Unamortized Premiums on Pool Investments		<u>3,371.59</u>
		596,491.52
IV. Student Loan Funds		
Cash - The First National Bank of Amherst		25,298.55
Cash - Amherst Savings Bank		1,083.69
Notes Receivable		<u>23,942.49</u>
		50,324.73
V. Trust Funds		
Cash on Hand		252.06
Cash - The First National Bank of Amherst		579,991.39
Cash - Ware Savings Bank		115,411.16
Cash - Woronoco Savings Bank		99,837.57
Cash - Amherst Savings Bank		188,799.24
Cash - Easthampton Savings Bank		<u>70,000.00</u>
		1,054,291.42
VI. Agency Funds		
Cash - The First National Bank of Amherst		106,440.10
VII. Plant Funds		
Land		2,712,420.00
Buildings*		27,007,849.00
Improvements other than Buildings		4,845,880.38
Equipment		<u>5,268,911.23</u>
		39,835,060.61
Total Assets		<u>\$43,010,153.87</u>

\*The University also leases from the University of Massachusetts Building Association seventeen dormitories, two apartment buildings, and a Student Union Building, representing investment of \$12,535,352.74. The principal is amortized and the buildings eventually become the property of the University.

## Schedule A (Continued)

Balance Sheet as of June 30, 1961

Liabilities, Reserves and Fund Balances

I. State Funds		
Total Appropriation Balances	\$561,803.67	
Due State Treasurer	4,395.52	
Expendable Supplies	<u>621,448.47</u>	\$ 1,187,647.66
II. Federal Funds		
Balance Federal Appropriations	60,497.84	
National Defense Student Loan Fund	<u>119,399.99</u>	179,897.83
III. Endowment Funds		
Income on Investments - Balances (Schedule A-2)	21,742.84	
Principal of Fund (Schedule A-3)	552,738.79	
Reserve for Profits and Losses on Pool Investments	<u>22,009.89</u>	596,491.52
IV. Student Loan Funds		
Balance (Schedule A-4)		50,324.73
V. Trust Funds		
Balance in Funds:		
Scholarship Funds	20,437.78	
Campus Activities	669,506.44	
Research Funds	148,870.42	
Federal Grants	<u>215,476.78</u>	1,054,291.42
VI. Agency Funds		
Balance in Funds:		
Student Deposit Account	20,880.70	
Student and Miscellaneous Funds	<u>85,559.40</u>	106,440.10
VII. Plant Funds		
Net Investment in Plant		39,835,060.61
		<hr/>
	Total Liabilities, Reserves and Fund Balances	<u>\$43,010,153.87</u>



## SUMMARY OF RECEIPTS AND BALANCES

<b>I. State Appropriations</b>				
General Maintenance (Schedule B-1)			\$10,206,443.00	
Other Maintenance:				
Current Year Appropriation	\$ 63,800.00			
(Schedule B-1)				
Prior Year Appropriation	29,276.37			
Balances		<u>93,076.37</u>		
			10,297,519.37	
Less: Balances reverted to State Treasurer		<u>99,608.51</u>		
			\$10,197,910.86	
Capital Outlay:*				
Balance, July 1, 1960	230,246.86			
Current Year Appropriation	471,000.00			
			701,246.86	
Special Appropriations:				
Balance, July 1, 1960	101,654.39			
Current Year Appropriation (Schedule B-2)	25,000.00			
			126,654.39	
				\$11,025,812.11
<b>Net Totals - State Appropriations</b>				
<b>II. Federal Appropriations (Schedule B-5)</b>				
Balance, July 1, 1960			34,278.08	
Current Year Receipts			1,018,825.07	
				<u>1,053,103.15</u>
<b>Net Totals - State and Federal Appropriations</b>				\$12,078,915.26
<b>III. Endowment Fund Income (Schedule A-2)</b>				
Balance, July 1, 1960		22,715.00		
Universality Endowment Fund Income		21,319.16		
State Endowment Fund Income		2,328.86		
			46,363.02	
Total				
<b>IV. Revolving Student Loan Funds (Schedule A-4)</b>				
Balance, July 1, 1960		83,608.63		
Interest Income		176.70		
Addition to Fund		85,939.39		
			169,724.72	
Total				
<b>V. Revolving Trust Funds (Schedule B-6)</b>				
Balance, July 1, 1960		330,881.78		
Current Year Receipts		3,658,507.27		
			3,989,389.05	
Total				
<b>VI. Agency Funds (Schedule B-7)</b>				
Balance, July 1, 1960		83,579.57		
Current Year Receipts		838,954.80		
			922,534.37	
Total				
<b>VII. Special Gifts (Schedule B-8)</b>				
Balance, July 1, 1960		433,310.06		
Revolutions, Current Year Receipts		751,658.05		
Industrial and Federal Grants - Current Year Receipts		691,423.27		
			1,200,391.38	
Total				
<b>Net Total - Receipts and Balances</b>				\$18,407,317.80

\*Does not include appropriations for the University that are under the supervision and control of the State Division of Building Construction.

## Schedule B (Continued)

## Summary of Expenditures and Balances

I & II. State and Federal Appropriations	<u>State Appropriations</u>	<u>Federal Appropriations</u>	<u>Other Funds</u>	<u>Total</u>
A. Administration	\$ 428,008.58	\$	\$	\$ 428,008.58
B. Resident Instruction	5,487,000.28	103,589.81		5,590,590.09
C. Experiment Station	777,134.87	433,791.86		1,210,926.73
D. Control Services	410,966.91			410,966.91
E. Extension Services	483,709.66	455,223.64		938,933.30
F. Boarding Halls	85,325.42			85,325.42*
G. Operation of Plant	2,433,124.30			2,433,124.30
H. Other Maintenance	44,842.97			44,842.97
I. Capital Outlay (Schedule B-9)	187,935.00			187,935.00
J. Special Appropriations (Schedule B-9)	125,960.45			125,960.45
<hr/>				
Totals - State and Federal Appropriation Expenditures	\$10,464,008.44	\$ 992,605.31		\$11,456,613.75
Balances - State and Federal Appropriations, June 30, 1961	561,803.67	60,497.84		622,301.51
<hr/>				
Totals	\$11,025,812.11	\$1,053,103.15		\$12,078,915.26
III. Endowment Income: (Schedule A-2)			24,620.18	
Balance, June 30, 1961			<u>21,742.84</u>	
Total				46,363.02
IV. Revolving Student Loan Funds (Schedule A-4)				169,724.72
Balance, June 30, 1961				
V. Revolving Trust Funds (Schedule B-6)			3,319,882.61	
Balance, June 30, 1961			<u>669,506.44</u>	
Total				3,989,389.05
VI. Agency Funds (Schedule B-7)			816,094.27	
Balance, June 30, 1961			<u>106,440.10</u>	
Total				922,534.37
VII. Special Gifts (Schedule B-8)				
Scholarships			83,788.02	
Industrial and Federal Grants			731,818.38	
Balance, June 30, 1961			<u>384,784.98</u>	
Total				1,200,391.38
<hr/>				
Total - Expenditures and Balances				<u>\$18,407,317.80</u>

\*Covers July and August 1960 only; operated as University Trust Fund beginning September 1, 1960 as authorized by Chapter 507 of the Acts of 1960.

Schedule A-1

Endowment Funds - Principal  
Statement of Pool Investments  
as of June 30, 1961

<u>Description</u>	<u>Date of Acquisition</u>	<u>Cost or Book Value</u>
<u>Government Bonds</u>		
23,500 U. S. Savings Bonds, Series K, 2.76%, due 6/1/64	6/30/52	\$23,500.00
18,000 U. S. Treasury Bonds, 3 1/4%, due June 15, 1983/78	6/4/53	17,703.31
Total - Government Bonds		<u>\$41,203.31</u>

<u>Mortgages</u>	<u>Date of Acquisition</u>	<u>Principal</u>	<u>Present Value</u>
Massachusetts Beta House Corporation	12/20/46	\$8,500.00	\$ 2,240.00
Gamma Delta Chapter of Kappa Sigma	10/14/46	24,000.00	8,438.42
Massachusetts Kappa Corp. of Sigma Alpha Epsilon	11/1/51	20,000.00	10,500.00
Theta Corporation of Theta Chi	10/9/54	40,000.00	27,000.00
Total - Mortgages		\$92,500.00	<u>\$48,178.42</u>



## Schedule A-1 (Continued)

Endowment Funds - Principal  
Statement of Pool Investments  
as of June 30, 1961

Description	Date of Acquisition	Cost or		Market Value
		Book Value	Value	
<u>Railroad Bonds</u>				
3,000 Pennsylvania R. R. Co., General Series A, 4½'s, due 6/1/65	10/20/39	\$ 3,000.00	\$	2,910.00
3,000 Southern Pacific (Oregon Lines), First, 4½'s, due 3/1/77	7/9/51	2,977.50		2,748.75
1,000 Missouri Pacific Railroad Co., First Mortgage, 4½'s, Series B, due 1/1/90	12/30/60	673.75		687.69
1,000 Missouri Pacific Railroad Co., First Mortgage, 4½'s, Series C, due 1/1/2005	12/30/60	660.00		678.94
<b>Total - Railroad Bonds</b>		<b>\$ 7,311.25</b>	<b>\$</b>	<b>7,025.38</b>
<u>Utility and Industrial Bonds</u>				
10,000 American Telephone & Telegraph Co. Debenture 5's, due 11/1/83	11/26/57	\$ 10,388.90	\$	10,104.25
10,000 Commonwealth Edison Co. Sinking Fund Debenture 4 5/8's, due 1/1/2009	2/20/59	10,199.75		10,000.00
10,000 Consolidated Edison Co. of New York, Inc. First & Refunding Mortgage 5's, Series N, due 10/1/87	11/26/57	10,498.32		10,500.00
10,000 The Dayton Power & Light Co., First Mortgage 5's, due 11/1/87	11/26/57	10,370.86		10,400.00
10,000 Florida Power & Light Co., First Mortgage 4 3/8's, due 12/1/86	2/6/59	9,875.00		9,750.00
2,000 The General Tire & Rubber Co. Subordinated Debenture 4 3/4's	1/4/60	1,830.00		1,929.29
10,000 Gulf States Utilities Co., First Mortgage 4 7/8's, due 10/1/87	11/29/57	10,238.36		10,400.00
1,000 Indiana Limestone Co., Inc., General Mortgage Sinking Fund Income 4's, due 7/1/75	1/4/60	790.00		767.00
10,000 Niagara Mohawk Power Corp., General Mortgage 4 7/8's, due 9/1/87	11/26/57	10,390.00		10,200.00
10,000 Philadelphia Electric Co., First & Refunding Mortgage, 4 5/8's, due 9/1/87	11/26/57	10,195.96		10,175.00
10,000 Public Service Electric & Gas Co., First & Refunding Mortgage 4 5/8's, due 8/1/88	10/6/58	10,337.50		10,550.00
5,000 Southern California Edison Co., First & Refunding 3's, due 9/1/65	11/14/51	3,000.00		
	12/5/54	2,000.00		
5,000 Southern Natural Gas Co., First Mortgage Pipe Line Sinking Fund 4 3/4's, due 1/1/79	4/24/59			
10,000 Southwestern Bell Telephone Co. Debenture 4 3/4's, due 10/1/92	10/17/58	5,000.00		
	12/18/58	5,000.00		
<b>Total - Utility and Industrial Bonds</b>		<b>10,524.27</b>		<b>10,100.00</b>
		<b>\$115,866.59</b>		<b>\$114,831.79</b>

Schedule A-1 (Continued)  
 Endowment Funds - Principal  
 Statement of Pool Investments  
 as of June 30, 1961

<u>Stocks</u>							
<u>No. of Shares</u>	<u>Description</u>		<u>Date of Acquisition</u>	<u>Cost or Book Value</u>	<u>Market Value</u>		
<u>Preferred Stock</u>							
200	American Sugar Refining Co., Com. 7%		7/19/51	\$ 6,450.00	\$ 6,692.26		
80	Duquesne Light Co.		1/23/53	3,840.00	3,058.90		
Total - Preferred Stock				\$ 10,290.00	\$ 9,751.16		
<u>Common Stock</u>							
<u>630 American Telephone and Telegraph Co.</u>							
45			7/9/51				
15			7/30/52				
6			12/16/53				
17			11/5/55				
8			11/6/56				
100			4/29/58				
9			6/30/58				
400			6/30/59				
30			6/30/61				
				35,080.27	73,867.50		
400	Baltimore Gas and Electric Co.		5/2/57	7,014.76	12,200.00		
52			7/19/51				
100			4/29/58				
3			10/15/58				
3			12/31/59				
4			12/30/60				
				6,081.95	8,100.00		
100	Consolidated Edison Co. of N. Y.		5/2/57	5,440.40	7,650.00		
47			7/19/51				
190	E. I. du Pont de Nemours & Company		2/3/59	19,306.75	31,164.00		
173			10/7/57	1,096.21	1,540.00		
17			1/8/54				
				10,516.68	13,585.00		
200	Niagara Mohawk Power Corp.		5/12/57	6,135.38	8,775.00		
100	Pacific Gas & Electric Co.		4/29/58	5,715.68	7,600.00		
500	Paramount Pictures Corp.		3/6/57	13,875.00	36,812.50		
36			7/19/51				
36			2/26/54				
8			11/6/56				
4			1/25/60	2,984.29	5,544.00		
250	Republic Steel Corp.		2/10/60	17,937.50	14,225.64		
200	The Southern Co.		5/2/57	4,577.62	10,725.00		
220	The Southern New England Telephone Co.		11/26/57	7,395.00	11,000.00		
50			7/19/51				
50	Standard Oil Co. of Indiana		12/6/54	3,518.75	5,100.00		
<u>286 Standard Oil Co. of New Jersey</u>							
90			7/19/51				
1			11/6/53				
182			5/6/56				
1			12/26/56				
10			5/6/58				
1			12/31/59				
1			12/30/60				
				6,420.05	12,584.00		
200	Tri-Continental Corp.		3/6/57	5,300.00	6,875.00		
75	United Fruit Co.		7/19/51	5,100.00	1,950.00		
740	Virginia Electric & Power Co.		1/8/54				
33			12/6/54				
370			5/8/57	10,541.02	42,180.00		

Total - Common Stock

\$174,037.31      \$311,477.64

Schedule A-1 (Continued)

Endowment Funds - Principal

Statement of Investments not in Pool Fund  
as of June 30, 1961

<u>Land</u>	<u>Date of Acquisition</u>	<u>Cost or Book Value</u>
Murray D. Lincoln	3/11/58	\$ 41,765.00
	12/31/58	16,795.00
	2/23/60	33,600.00
	3/31/61	24,068.90
		<hr/>
Total - Land		\$116,228.90

Stocks

750 Shares David Buttrick, Cum. Preferred	7%	3/8/54	\$ 7,500.00
			<hr/>
TOTAL			\$123,728.90
			<hr/> <hr/>

Schedule A-1 (Continued)

Endowment Funds - Principal  
as of June 30, 1961

Summary of Pool Investments

	Cost or <u>Book Value</u>	% of <u>Total</u>
Invested in:		
<u>Bonds</u>		
Government Railroad Utility Industrial	\$ 41,203.31 7,311.25 113,246.59 2,620.00	9.1 1.6 25.2 .5
<u>Mortgages</u>	\$164,381.15	36.4
	48,178.42	10.7
<u>Stocks</u>		
<u>Preferred</u>		
Industrial Utility	6,450.00 3,840.00	1.4 .9
	\$ 10,290.00	2.3
<u>Common</u>		
Financial Industrial Investment Trust Utility	2,984.29 67,254.26 5,300.00 98,498.76	.7 15.0 1.1 22.0
	\$174,037.31	38.8
<u>Total - Pool Securities</u>	\$396,886.88	88.2
<u>Cash</u>		
Amherst Savings Bank @ 3 1/2% The First National Bank - Uninvested Cash	\$ 5,031.79 49,101.11	1.0 10.8
<u>Total - Cash</u>	\$ 54,132.90	11.8
<u>Total - Pool Investments</u>	\$451,019.78	100.0
Summary of Investments not in Pool		
<u>Land</u> Murray D. Lincoln	\$116,228.90	
<u>Stock</u> Preferred Stock	7,500.00	
<u>Total - Investments not in Pool</u>	\$123,728.90	



**Endowment Fund Income  
Statement of Receipts, Disbursements and Balances**

Name and Purpose of Fund	Balance		Receipts from Investments	Disbursements	Balance June 30, 1961
	July 1, 1960	July 1, 1960			
<b>Income Designated for General Purposes</b>					
<b>Student Aid, Scholarships, Loans:</b>					
Alpha Sigma Phi Scholarship	\$ 247.67	\$ 341.44	\$ 425.00	\$ 164.11	
Alvord Dairy	182.19	201.84	285.00	99.03	
Ascension Farm School	3,989.27	5,769.59	6,775.00	2,983.86	
Danforth Keyes Bangs	178.56	281.88	325.00	135.44	
Buttrick Scholarship	654.86	513.97	515.76	653.07	
Lucius Clapp	283.97	420.32	500.00	204.29	
Class 1882 Scholarship	17.04	68.65	59.33	26.36	
Frederick G. Crane	790.98	1,227.15	1,435.00	583.13	
Stephen Davis Scholarship	980.07	922.12	800.00	1,102.19	
George L. Farley	1,107.15	240.45	300.00	1,047.60	
Gassett Scholarship	45.23	70.31	80.00	35.54	
Charles A. Gleason	130.11	179.45	220.00	89.56	
Walter H. Harrison	---	569.19	569.19	---	
Philip B. Hasbrouck	---	65.40	---	65.40	
Clarence C. Hardy	8.62	5.75	---	14.37	
Mrs. Clifton Johnson	---	164.05	---	164.05	
Helen E. Knowlton	644.33	721.34	550.00	815.67	
Porter L. Newton Educational	771.56	1,563.98	1,100.00	1,235.54	
J. Clark Osterhout	44.62	19.08	---	63.70	
Betsey C. Pinkerton	150.06	216.41	260.00	106.47	
Charles S. Plumb	794.46	167.16	83.58	878.04	
Frank H. Plumb	685.97	645.70	750.00	581.67	
V. A. Rice Scholarship	91.86	127.15	155.00	64.01	
Mary Robinson	148.26	144.28	200.00	92.54	
Henry Franklin Staples	347.19	2,450.25	2,797.44	---	
Whiting Street	63.07	97.24	100.00	60.31	
Helen A. Whittier	162.30	160.54	150.00	172.84	
	\$12,519.40	\$17,354.69	\$18,435.30	\$11,438.79	
<b>Prizes:</b>					
Grinnell Prize	74.55	6.06	---	80.61	
Elizabeth L. McNamara	---	48.09	48.09	---	
Allan Leon Pond	54.75	35.81	38.10	52.46	
Betty Steinbugler	59.39	9.61	---	69.00	
	\$ 188.69	\$ 99.57	\$ 86.19	\$ 202.07	
<b>Books:</b>					
Oscar G. Anderson Memorial	278.80	48.81	---	327.61	
John C. Cutter	345.66	52.82	---	398.48	
Library	304.24	702.01	409.44	596.81	
Robert F. Pomeroy Library	472.11	73.86	240.42	305.55	
	\$ 1,400.81	\$ 877.50	\$ 649.86	\$ 1,628.45	
<b>Miscellaneous Purposes:</b>					
George H. Barber	514.10	244.00	---	758.10	
Charles A. Peters	130.18	55.92	---	186.10	
Hills	966.37	746.54	511.60	1,201.31	
Guy Chester Crampton	675.14	122.10	---	797.24	
J. D. W. French	1,422.56	516.65	715.36	1,223.85	
William Proctor	643.07	96.18	---	739.25	
	\$ 4,351.42	\$ 1,781.39	\$ 1,226.96	\$ 4,905.85	
<b>General Purposes (Unrestricted):</b>					
Joseph Bartlett	---	---	---	---	
Burnham Emergency	30.27	372.31	207.91	194.67	
Frederick H. Read	72.22	81.73	115.00	38.95	
William R. Sessions	68.65	229.92	148.30	150.27	
William Wheeler	155.76	522.05	440.87	236.94	
	\$ 326.90	\$ 1,206.01	\$ 912.08	\$ 620.83	
<b>State Endowment Fund</b>					
	\$ 3,927.78	\$ 2,328.86	\$ 3,309.79	\$ 2,949.85	
<b>Totals</b>	\$22,715.00	\$23,648.02	\$ 24,620.18	\$21,742.84	

## Schedule A-3

## Statement of Endowment Fund Principal

Name of Fund	Balance		Additions	Deductions	Balance	
	July 1, 1960	June 30, 1961			July 1, 1960	June 30, 1961
Alpha Sigma Phi Scholarship	\$ 7,100.00		\$	\$	\$ 7,100.00	
Alvord Dairy	4,197.15				4,197.15	
Oscar G. Anderson Memorial	1,015.00				1,015.00	
Ascension Farm School	119,975.79				119,975.79	
Danforth Keyes Bangs	5,861.58				5,861.58	
George H. Barber	5,073.86				5,073.86	
Joseph Bartlett	--	1,000.00		1,000.00	--	
Seymour Borowsky	--	5,000.00			--	5,000.00
Burnham Emergency	7,742.23				7,742.23	
Buttrick Scholarship	10,000.00				10,000.00	
Lucius Clapp	8,740.42				8,740.42	
Class 1882 Scholarship	1,427.70		34.33		1,462.03	
Guy Chester Crampton	2,539.03				2,539.03	
Frederick G. Crane	25,518.08				25,518.08	
John G. Cutler	1,098.41				1,098.41	
Stephen Davis Scholarship	19,175.00				19,175.00	
George L. Farley	5,000.00				5,000.00	
J. D. W. French	10,743.41				10,743.41	
Gassett Scholarship	1,462.20				1,462.20	
Charles A. Gleason	3,731.73				3,731.73	
Grinnell Prize	125.94				125.94	
Clarence C. Hardy	119.65				119.65	
Walter H. Harrison	11,836.14				11,836.14	
Phillip B. Hasbrouck	1,255.00		785.00		2,040.00	
Hills	15,523.89				15,523.89	
Mrs. Clifton Johnson	3,411.47				3,411.47	
Helen E. Knowlton	15,000.00				15,000.00	
Library	10,978.10		15.00		10,993.10	
Elizabeth L. McNamara	1,000.00				1,000.00	
Porter Newton Educational	24,204.46				24,204.46	
J. Clark Osterhout	396.95				396.95	
Charles A. Peters	1,162.77				1,162.77	
Betsey C. Pinkerton	4,500.00				4,500.00	
Charles S. Plumb	3,475.89		83.58		3,559.47	
Frank H. Plumb	13,427.17				13,427.17	
Robert F. Pomeroy Library	1,535.95				1,535.95	
Allan Leon Pond	744.78				744.78	
William Proctor	2,000.00				2,000.00	
Frederick H. Read	1,699.55				1,699.55	
V. A. Rice Scholarship	2,644.11				2,644.11	
Mary Robinson	3,000.00				3,000.00	
William R. Sessions	4,780.97				4,780.97	
Henry Franklin Staples Memorial Fund	50,994.27			42.50	50,951.77	
Betty Steinbugler	200.00				200.00	
William Wheelner	10,855.91				10,855.91	
Whiting Street Scholarship	2,021.70				2,021.70	
Helen A. Wittler	3,338.22				3,338.22	
Endowment from State	--				--	
(Principal of \$142,000 held by						
State Treasurer)						
Murray D. Lincoln - Land	92,160.80		24,068.10		116,228.90	
Totals	\$522,795.28		\$30,986.01		\$1,042.50	\$552,738.79

Schedule A-4

Statement of Student Loan Funds

Fund	Total June 30, 1960	Addition and Interest	Loans Paid	Loans Made	Loan Transactions	Balances, June 30, 1961	Cash	Notes	Total
D. K. Bangs	\$ 6,326.96	\$ 83.86	\$ 5,624.50	\$ 7,923.25	\$ 5,274.75	\$ 1,136.07			\$ 6,410.82
Joseph W. Bartlett	--	1,000.00	--	--	--	1,000.00			1,000.00
Class of 1905	3,241.85	64.95	3,771.00	3,403.00	1,532.00	1,774.80			3,306.80
Vincent Goldthwait	17,015.80	25.30	24,439.46	23,029.00	11,823.74	5,217.36			17,041.10
Walter H. Harrison	2,196.21	571.19	1,225.00	855.00	655.00	2,112.40			2,767.40
Murray D. Lincoln	344.69	--	50.00	--	100.00	244.69			344.69
Massachusetts Assembly	--	12,500.00	--	3,375.00	3,375.00	9,125.00			12,500.00
Loan Fund	602.90	2.45	774.00	650.00	350.00	255.35			605.35
M. A. C. Club	148.50	28.09	--	--	--	176.59			176.59
Elizabeth L. McNamara	753.16	--	300.00	710.00	610.00	143.16			753.16
New England Feedmen's	1,578.57	42.81	600.00	150.00	--	1,621.38			1,621.38
Stevens Memorial Fund	--	2,797.44	--	--	--	2,797.44			2,797.44
Henry F. Staples Memorial Fund	--	--	--	--	--	--			--
Sub-Totals	32,208.64	17,116.09	36,783.96	40,095.25	23,720.49	25,604.24			49,324.73
New England Society of	1,000.00	--	2,388.00	2,346.00	222.00	778.00			1,000.00
New York	33,208.64	17,116.09	39,171.96	42,441.25	23,942.49	26,382.24			50,324.73
Totals	50,399.99	69,000.00	1,675.00	71,974.00	118,699.95	700.04			119,399.99
National Defense Student									
Loan Fund									
Grand Totals	\$83,608.63	\$86,116.09	\$40,846.96	\$114,415.25	\$142,642.44	\$27,082.28			\$169,724.72

\$40,095.25 was loaned to 278 students during the year from University Funds. 273 students received loans totaling \$2,346.00 from the New England Society of New York Fund. This fund is for small emergency loans handled by the Dean of Men.

\$71,974.00 was loaned to 170 students from the National Defense Student Loan Fund.

## Schedule B-1

## State Appropriations

## Comparative Statement by Subsidiary Accounts

Code	General Maintenance - 1350-01		
	1959	1960	1961
01 Salaries, Permanent Positions	\$5,263,700.00	\$5,588,279.00	\$6,887,030.00
02 Salaries, Other	696,702.00	999,644.00	731,744.00
03 Salaries, Non-Employees	359,000.00	425,000.00	431,500.00
04 Food For Persons	400,000.00	485,000.00	42,000.00
05 Clothing	850.00	800.00	800.00
06 Housekeeping Supplies & Exp.	45,500.00	48,000.00	40,000.00
07 Laboratory, Medical & Gen. Care	5,000.00	5,000.00	8,700.00
08 Heat & Other Plant Operations	393,000.00	427,800.00	481,000.00
09 Farm and Grounds	75,000.00	76,250.00	72,000.00
10 Travel & Automotive Expenses	75,000.00	74,000.00	78,000.00
11 Advertising and Printing	33,300.00	43,950.00	44,900.00
12 Repairs, Alterations & Add.	168,787.00	140,000.00	200,000.00
13 Special Supplies & Expenses	150,000.00	180,000.00	210,000.00
14 Office & Administrative Exp.	135,500.00	125,000.00	131,900.00
15 Equipment	5,000.00	75,000.00	83,604.00
16 Rentals	556,350.00	760,000.00	759,265.00
18 Special Outlay	1,213.00	2,000.00	2,000.00
Sub-Totals	\$8,363,902.00	\$9,455,723.00	\$10,204,443.00*
<u>Other Maintenance</u>			
3304-44 Inland Fish & Game	7,500.00	7,500.00	8,100.00**
1350-21 Research with Federal Grants	50,000.00	40,000.00	50,000.00**
1350-11-10 Recruitment of University President	--	5,000.00	2,500.00***
1350-35-14 Entertainment of Dis- tinguished Visitors	--	--	2,000.00**
1350-36-16 Rental of President's House	--	--	1,200.00**
Special Appropriations	125,000.00	125,000.00	25,000.00
Capital Outlay	22,000.00	100,000.00	471,000.00
Totals	\$8,568,402.00	\$9,733,223.00	\$10,764,243.00

\*Authorized Chapter 507 of the Acts of 1960 \$9,820,968.00  
 Transfer from Funds available for Purchase of Motor Equipment 13,604.00

Transfer from Reserve for additional cost of Overtime 9,400.00  
 Transfer from Reserve for Salary Adjustments 269,471.00  
 Authorized Chapter 430 of the Acts of 1961 91,000.00

\*\*Authorized Chapter 507 of the Acts of 1960.

\*\*\*Transfer from Item 0405-01 Extraordinary Expenses.



Schedule B-2

Special Appropriations

1350-96-13 For Certain Scholarships \$25,000.00

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Authorized under Chapter 507 of the  
Acts of 1960.

Schedule B-3

Capital Outlay Appropriations

1350-26-13 Purchase of Books \$100,000.00\*

8262-12 Land Purchase 371,000.00\*\*

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\$471,000.00

\*Authorized under Chapter 507 of the  
Acts of 1960.

\*\*Authorized under Chapter 544 of the  
Acts of 1961.

Schedule B-3 (Continued)

Capital Outlay Appropriations\*

8261-04 U-702	For certain improvements and addition to the power plant and utility systems, to be in addition to the amount appropriated in Item 8260-24 of Section two of Chapter six hundred and four of the Acts of nineteen hundred and fifty-nine	\$ 400,000.00
8261-05 U59-2	For the construction of a Natural Resources Laboratory and Classroom Building, including the cost of furnishings and equipment, to be in addition to the amount appropriated in Item 8259-53 of Section two of Chapter six hundred and fifty of the Acts of nineteen hundred and fifty-eight	1,945,000.00
8261-06 U59-3	For the construction of the Food Technology Building, including the cost of furnishings and equipment, to be in addition to the amount appropriated in Item 8259-54 of Section two of Chapter six hundred and fifty of the Acts of nineteen hundred and fifty-eight	1,600,000.00
8261-08 U59-4	For the construction of an addition to the Physics Building, including the cost of furnishings and equipment, to be in addition to the amount appropriated in Item 8259-55 of Section two of Chapter six hundred and fifty of the Acts of nineteen hundred and fifty-eight	2,100,000.00
8261-09 U57-1	For the construction of the fourth section of the Science Center, including the cost of furnishings and equipment, to be expended in connection with any Federal Funds available for this purpose, to be in addition to the amount appropriated in Item 8260-25 of Section two of Chapter six hundred and four of the Acts of nineteen hundred and fifty-nine	3,661,000.00
Total (Chapter 774 of the Acts of 1960)		\$9,706,000.00

\*Under the supervision and control of the State Division of Building Construction.

Comparative Statement of Funds Forwarded to State Treasurer  
on account of Income from Fees, Sales, and Services

Schedule B-4

	1961	1960	1959
<b>Instruction:</b>			
Hospital	\$ 799.00	\$ 688.00	\$ 468.50
Tuition	1,195,214.38	1,106,849.25	516,664.35
Tuition - Summer School	93,222.65	68,319.17	50,233.25
Sales, Productive Enterprises	68,212.71	63,718.72	72,687.48
Other Student Receipts	18,565.04	18,432.15	17,626.68
Other Sales	13,609.60	6,676.62	7,602.62
Meals, Employees	525.00	477.00	429.90
Reimbursement for Services -	3,963.00	6,849.00	10,052.22
Federal Government			
<b>Extension Services:</b>	1,394,111.38	1,272,009.91	675,765.00
Miscellaneous	557.99		719.18
<b>Experiment Station:</b>			
Sales	1,923.80	5,677.04	5,476.02
Waltham Field Station	94.51	37.47	47.45
<b>Control Services:</b>			
Fertilizer Law	17,513.10	16,496.91	15,545.29
Poultry Disease Law	35,788.98	38,300.71	44,303.93
Dairy Glassware	970.35	602.50	975.93
Commercial Feedstuffs	33,920.00	36,460.00	39,720.00
Seed Law	1,051.20	793.65	859.15
Dairy Cattle Certification	12,737.00	14,197.34	16,059.18
Diagnostic Laboratory	--	--	44.00
	<u>101,980.63</u>	<u>106,851.11</u>	<u>117,507.48</u>
	2,018.33	5,714.51	5,523.47
	443.75		
	<u>1,394,111.38</u>	<u>1,272,009.91</u>	<u>675,765.00</u>

## Schedule B-4 (Continued)

Comparative Statement of Funds forwarded to State Treasurer  
on account of Income from Fees, Sales, and Services

	<u>1959</u>	<u>1960</u>	<u>1961</u>
<u>Operation of Plant:</u>			
Students' Room Rent	\$673,617.62	\$823,757.32	\$916,491.75
Transient Rent	13,151.19	18,325.59	28,405.08
Employees' Rent	82,611.60	98,480.08	107,593.34
Other Rents	82,177.87	82,367.39	82,661.53
Miscellaneous	1,271.84	1,384.38	2,209.74
Reimbursement for Services, Boarding Hall			120,000.00
	<hr/> 852,830.12	<hr/> 1,024,314.76	<hr/> 1,257,361.44
<u>Miscellaneous:</u>			
Miscellaneous	3,206.40	3,937.98	27,692.01
Research for Federal Government	65,843.10	65,832.84	48,396.88
	<hr/> 69,049.50	<hr/> 69,770.82	<hr/> 76,088.89
<u>Boarding Halls:</u>			
Student Board	855,605.67	914,666.01	86,787.28
Cafeteria	21,034.09	19,861.80	1,136.56
Miscellaneous Sales	2,315.13	2,898.92	709.24
Meals, Employees	1,305.00	1,137.00	39.00
	<hr/> 880,259.89	<hr/> 938,563.73	<hr/> 88,672.08
Totals	<hr/> <hr/> \$2,601,654.64	<hr/> <hr/> \$3,417,782.83	<hr/> <hr/> \$2,920,676.52



## Schedule B-5

## Federal Funds

## Statement of Receipts, Disbursements and Balances

Instruction:	Balance	Receipts	Disbursements	Balance
	July 1, 1960			June 30, 1961
Bankhead Jones	\$ --	\$ 66,788.72	\$ 66,788.72	\$ --
Land Grant	1,293.90	7,300.00	--	8,593.90
Morrill Nelson	--	33,333.33	33,333.33	--
Smith Hughes	-142.85	3,446.77	3,467.76	-163.84
(Dept. of Education)				
Totals	\$ 1,151.05	\$ 110,868.82	\$103,589.81	\$ 8,430.06
<u>Extension Service:</u>				
Federal Smith Lever Act as Amended 1953	\$ 9,033.46	\$ 402,929.00	\$382,585.50	\$29,376.96
Research and Marketing	4,039.02	54,153.75	49,981.74	8,211.03
Regional Contracts:				
No. 12-05-300-11	2,571.32	--	2,571.32	--
No. 12-05-300-12	130.40	--	130.40	--
No. 12-05-300-27	67.95	10,160.00	10,227.95	--
No. 12-05-300-36	9,409.85	5,500.00	9,726.73	5,183.12
Totals	\$25,252.00	\$ 472,742.75	\$455,223.64	\$42,771.11
<u>Experiment Station:</u>				
Hatch Amended	\$ 5,730.02	\$ 331,125.50	\$329,424.99	\$ 7,430.53
Regional Research	2,145.01	104,088.00	104,366.87	1,866.14
Totals	\$ 7,875.03	\$ 435,213.50	\$433,791.86	\$ 9,296.67
Grand Totals	\$34,278.08	\$1,018,825.07	\$992,605.31	\$60,497.84

Trust Funds  
Statement of Receipts, Disbursements and Balances

	Balance July 1, 1960	Transfers in	Receipts	Transfers out	Disbursements	Balance June 30, 1961
George Alderman Arts and Science Equipment	\$ 161.00		207,992.81	1,592.05	205,618.06	\$ 161.00
Athletics	129.40		40.37			129.40
Athletic Reserve	46,481.90	4,500.00	1,105,890.88		953,887.30	51,764.60
Boarding Halls	1,076.85				225.50	1,117.22
Carnegie - Langage	852.94				6,001.00	627.44
Carnegie Fund - Edmund Burks			34,000.00		534.74	27,999.00
Citizenship Fund	393.59		400.00		2,150.15	258.85
Centennial Fund		3,000.00	3,688.25		58.34	4,538.10
Class 1930 Library	50.00					50.00
Class 1957 Book Fund	2,547.64				278.64	2,489.30
Class 1960 Book Fund	2,000.00				4,332.25	2,000.00
College of Arts & Sciences	40.06				11,445.75	10.01
Service Fund						
College of Agriculture Equip.	280.00		6,310.57			1.36
Dept. of Government Fund	1,983.13		8,680.85			3,961.45
Communication R.O.T.C. Uniforms		2,764.90				
Development Fund for Agriculture	2,300.00					2,300.00
Services Abroad			85,000.00		9,999.92	75,000.08
Ford Foundation - Professorship			2,673.59		566.32	2,107.27
Ford Foundation - Sociology			2,500.00		2,089.51	2,369.46
Ford Foundation - Library	1,958.97		9,018.00		8,767.32	1,240.54
Ford Foundation - Working Fund	989.86					
General Electric - Pictorfield - Undergraduate	5,176.44		54,858.00	64.00	58,946.41	1,024.03
General Electric - Pictorfield - Graduate	209.60	64.00	27,611.00		27,514.90	369.70
Home Management Fund			1,701.60		1,701.60	
Hokkaido Student Center Memorial	1.00					1.00
German Dept. Fund	19.65		494.90		161.75	352.80
TGA - W-374 Overhead	331.45	6,883.54			582.05	6,632.94
TGA - Contract W-374	1,937.36		214,324.67	8,583.15	191,716.99	15,981.89
Identification Card Fund	414.55		6,734.00		6,099.81	1,048.74
Library Fund			4.16			4.16
Mass. Food Service Educational Council	3,755.00					3,755.00
Military Uniforms	36,445.60		36,605.95	2,764.90	24,869.11	45,417.54
New York Times	311.15		432.42		681.01	62.56
Old Chapel Fund	2,500.00					2,500.00
Placement Office Service Fund	19.64	140.00	782.05	1.59	935.47	6.22
Provoct's Fund	34.67		100.00		133.08	
Regional Science Fair			580.00		580.00	
Romance Language Dept.	878.43		773.51		799.90	892.04
Research Council Service Fund		200.00			80.50	119.50
Rockefeller Fund G.A.S.S.-6103			4,000.00		1,414.59	2,585.41
School of Engineering Service Fd.	50.00					50.00
School of Business Admin. Serv.	174.81		2,204.41		176.15	2,203.07
School of Engineering Equipment	650.95		201.51		450.00	402.46
Student Union General Fund	40,908.11		482,548.44		496,266.61	27,189.94
Student Union Food Service	43,812.89		492,782.93		495,030.51	41,592.31
Student Union University Store	28,645.29		558,173.16		527,457.41	59,361.04
Student Union RSO	61,609.56		239,033.76		247,673.36	52,969.96
Student Union Reserve	35,530.63		18,951.68			54,482.31
Summer Season Recreation Fd.	600.50		2,735.02		113.24	3,222.28
State Employees Group Insurance, State's Share	885.40		5,495.30		3,100.40	3,280.30
Student Enrollment - Agric. Fd.			1,960.00		283.38	1,676.62
School of Nursing Fund			500.00			500.00
Student Health Fees			3,636.00			3,636.00
Trust Fund Interest	1,895.56		12,596.07	7,500.00		6,979.57
University Fund	2,585.72	1.59	4,937.38	100.00	6,551.78	872.91
Foreign Students Advisor Fund	232.48					232.48
<b>Totals</b>	<b>\$330,881.78</b>	<b>\$17,554.03</b>	<b>\$3,640,953.24</b>	<b>\$20,605.69</b>	<b>\$3,299,276.92</b>	<b>\$669,506.44</b>

Schedule B-7

Agency Funds

Statement of Receipts, Disbursements and Balances

<u>Fund</u>	<u>Balance</u>		<u>Receipts</u>	<u>Disbursements</u>	<u>Balance</u> <u>June 30, 1961</u>
	<u>July 1, 1960</u>				
Asia Foundation	\$ 21.64	\$ 200.00	\$ 171.21	\$	50.43
Asia Understanding	88.18	--	56.52		31.66
Carnegie Internship Program	47,552.80	48,500.00	26,951.18		69,101.62
Federal Tax - Personal Telephone Calls	--	86.58	55.18		81.40
Fishing Contest	9.97	--	--		9.97
4-H Activities	4,546.06	19,921.94	19,814.62		4,653.38
Mass. Educational Film Fund	551.39	600.00	615.94		535.45
Rodent Control	2,486.08	37,104.31	33,163.42		6,426.97
Student Health and Accident Insurance	--	85,855.75	85,712.25		143.50
Special Military Fund	92.45	25.30	--		117.75
U. S. Savings Bonds	3,261.71	72,145.43	70,949.87		4,457.27
I. B. M. Fund	--	3,284.25	3,284.25		--
Student Deposit Account	24,969.29	571,231.24	575,319.83		20,880.70
<b>Totals</b>	<b>\$83,579.57</b>	<b>\$838,954.80</b>	<b>\$816,094.27</b>		<b>\$106,440.10</b>

## Special Gifts

## Statement of Receipts, Disbursements, Transfers and Balances

	Balance		Transfers	Receipts	Transfers		Disbursements	Balance	
	July 1, 1960				in	out		June 30, 1961	
<u>Scholarships &amp; Fellowships</u>									
Anonymous Scholarship #1	\$ 1,000.00	\$		300.00	\$	300.00	\$	\$ 1,000.00	
Anonymous Scholarship #2	--			200.00		200.00		--	
A. S. M. E. Scholarship	200.00			--		300.00		200.00	
Borden Agric. Fund	600.00			--		300.00		300.00	
Boston Stewards Club Scholarship	--			1,100.00		1,100.00		--	
H. B. Cantor	--			500.00		500.00		--	
Chemical Club of New England	--			300.00		300.00		--	
Scholarship	--			50.00		--		50.00	
Class of 1919 Scholarship	--			600.00		300.00		300.00	
Charles M. Cox	--			10,000.00		10,000.00		--	
Lotha Crabtree Scholarship	--			500.00		500.00		--	
W. E. Dickinson	--			100.00		100.00		--	
Margaret Fitz Barnes	--			100.00		50.00		--	
N. I. Bowditch Speaking Contest	202.50			--		50.00		152.50	
Engineering Alumni Scholarship	1,653.56			1,438.32		1,310.00		1,781.88	
H. F. Jones Scholarship	--			550.00		550.00		--	
Farm Bureau Scholarship	--			100.00		--		100.00	
French Government Fund	434.00			200.00		--		434.00	
George Treadwell Scholarship	--			200.00		100.00		100.00	
General Telephone & Electronics	--			2,500.00		2,072.01		427.99	
Fellowship				--		--		--	
Graduate School Scholarship and Loan Fund	146.50			--		140.00		6.50	
Greater Springfield Panhellenic Scholarship	100.00			--		100.00		--	
Hood Scholarship	--			840.00		840.00		--	
Hashrouck Scholarship	--			655.00		655.00		--	
Holyoke & Northampton Garden Club Scholarship	--			200.00		100.00		100.00	
Hoo Hoo Club Scholarship	--			150.00		150.00		--	
ICA -C-1129 Contract	2,627.84			540.00		2,171.75		996.09	
Mathematics Prize Fund	--			1,000.00		1,000.00		--	
McDonald Prize Fund	13.80			--		6.20		7.60	
National Defense Graduate Fellow-ship	8,108.56			38,351.02		43,100.00		3,359.58	
Elizabeth Pigeon Scholarship	--			100.00		--		100.00	
Kollmorger Scholarship	200.00			200.00		200.00		200.00	
New York Farmers Scholarship	1,000.00			1,000.00		1,000.00		1,000.00	
Point IV Fund	700.00			--		--		700.00	
N. F. B. A. Foundation Scholarship	250.00			--		250.00		--	
E. M. Statler Scholarship	--			1,000.00		1,000.00		--	
Charles M. Powell Fund	--			200.00		200.00		--	
Ralston Purina Scholarship	--			500.00		500.00		--	
Shawmigan Scholarship	--	200.00		--		--		200.00	
Springfield Garden Club Scholarship	--			400.00		400.00		--	
Sylvania Fund	684.56			2,100.00		684.56		300.00	
Sears Roebuck Scholarship	--			2,100.00		1,800.00		--	
University Scholarship Fund	10,643.68	1,592.05		6,191.66		11,506.00		6,621.39	
L. R. Wilson Fund	2.75			--		2.50		.25	
Woodrow Wilson National Fellowship	--			2,000.00		--		2,000.00	
<b>Totals</b>	<b>\$28,567.75</b>	<b>\$1,792.05</b>		<b>\$73,866.00</b>	<b>--</b>	<b>\$83,788.02</b>		<b>\$20,437.78</b>	
<u>Research Grants</u>									
American Potash	120.31					43.39		76.92	
American Cyanamid	429.57					--		--	
American Chemical Society - Williams	--			6,170.00		--		6,170.00	
F. A. Bartlett	60.73			--		--		--	
Beneficial Insect	191.67			--		191.67		--	
Berkshire County Fund	--			7,600.00		4,526.93		3,073.07	
Bureau of Government Research	698.29			3,546.15		3,685.42		559.02	
Boston Market Garden Seed Imp'ts.	483.87			500.00		406.18		577.69	
Chemical Spray	774.52			--		429.97		344.55	
C. I. B. A.	1,730.10			--		466.36		1,263.74	



Statement of Receipts, Disbursements, Transfers and Balances

Research Grants (Continued)

	Balance July 1, 1960	Transfers in	Receipts	Transfers out	Disbursements	Balance June 30, 1961
Cocoa	\$ 1,732.47	\$	\$ 1,500.00	\$	\$ 782.43	\$ 950.04
Caruatico	--	--	500.00	--	551.87	948.13
Cranberry	--	--	--	--	--	--
Disease Fund	1,663.59	--	--	--	1,268.02	395.57
Cottrell - Little	1,035.70	--	--	--	923.38	112.32
Cottrell - McWhorter	5.64	--	--	--	--	5.64
Cottrell - Carpino	3.29	--	--	--	--	3.29
Cottrell - Ragle	--	--	--	--	--	--
Cottrell - Stengle	--	--	2,000.00	--	1,004.87	995.13
Cottrell - Zajicek	2,500.00	--	3,000.00	--	2,679.25	320.75
Cottrell - Williams	717.13	--	--	--	176.11	2,323.89
Cox Fund	248.26	--	4,000.00	--	57.93	4,659.20
Dekalb Fund	--	--	1,500.00	--	1,475.92	272.34
Dairy Management Training Program	--	--	2,278.43	--	1,851.94	426.49
Eastern States Fund	1,444.10	--	3,000.00	--	265.51	4,178.59
Eaton Fund	11,892.58	--	--	--	3,745.62	8,146.96
Engineering	892.09	--	500.00	--	--	892.09
Eli Lilly	--	--	2,000.00	--	498.99	1.01
Fabric Research	--	--	2,000.00	--	1,845.53	154.47
Fabric Chemical Fund	--	--	2,000.00	--	186.60	1,813.40
Gray Chemical Fund	4,915.50	--	5,000.00	--	4,030.72	5,884.78
General Electric - Stein	20,213.84	--	19,000.00	2.96	22,290.34	16,923.50
Glass Container	2,96	--	--	--	--	--
Hood Foundation	200.35	--	--	2.96	177.13	23.22
Hoffman - La Roche Fund	12.32	--	--	8.82	3.50	--
Lawn Improvement	8,432.35	--	4,050.00	--	52.48	8,379.87
Lederle	1,033.26	--	250.00	--	4,052.31	1,030.95
Milk Solids Fund	269.69	--	--	--	450.82	68.87
New England Board of Higher Education	407.91	--	--	407.91	--	--
New York Farmers' Fund	687.40	--	3,000.00	--	500.40	687.40
Norwich Fund	--	--	--	--	--	--
Ocean Spray Fund	7.25	--	--	7.25	--	--
Perlite Fund	8,500.00	--	--	--	4,509.10	3,990.90
Petroleum Research - Stidham and Chandler	--	--	8,100.00	--	5,536.32	2,563.68
Petroleum Research - Stein	9,196.34	--	1,105.17	--	1,335.52	4,060.82
Petroleum Research - Carpino	1,328.42	--	7,500.00	--	1,078.74	1,354.85
Peat Control Operators Fund	2,000.00	--	--	--	1,389.45	8,110.55
Pfizer Fund	1,686.93	--	--	--	1,605.47	81.46
Phosphate Fund	4,991.35	--	--	--	4,706.48	284.87
Plex Corporation	298.49	--	--	--	285.00	13.49
Population Council - Driver	3,403.00	--	1,000.00	--	3,403.00	--
Research Corporation - Stidham	4,016.30	--	--	--	921.68	4,094.62
Research Corporation - Physics	1,269.22	--	--	--	710.16	559.06
Rain and Hall	164.15	--	--	--	54.30	109.85
Reeves Fund	--	--	1,698.89	--	1,228.98	469.91
Research Corporation - Robinson	3,719.66	640.27	75.00	--	1,033.67	3,401.26
Research Service - Agriculture	18,734.39	44,647.40	47,320.67	80,487.18	9,303.38	20,911.90
Research Trust Funds	34.57	--	1,150.00	--	1,184.57	--
Retailing Research Corp.	--	--	600.00	--	456.32	143.68
Springfield Sugar Products	--	--	1,000.00	--	--	1,000.00
Sterling - Winthrop Fund	1,403.30	--	1,000.00	--	1,827.33	575.97
Shawinigan - Chemistry	832.16	--	1,000.00	200.00	765.47	866.69
Shawinigan - Chemical Engineering	218.40	--	500.00	--	68.08	650.32
Shell Chemical Fund	2,091.09	--	600.00	--	2,286.15	404.94
Sire Evaluation	405.06	--	300.00	--	290.30	414.76
Stauffer Fund	143.05	--	--	--	73.21	69.84
Turgrass Fund	11,110.08	24,752.28	3,500.00	463.02	20,919.35	14,479.99
Teachers Research	253.77	60.73	--	--	3,568.14	246.36
Union Carbide Fund	2,043.48	--	500.00	--	669.25	1,374.23
Uramite Fund	--	--	--	--	272.66	227.34
Weed Control	152.29	--	1,259.00	--	1,228.10	183.19
Wildlife Management	2,236.10	--	3,500.00	--	4,187.66	1,548.44
Walker Research Fund	642.30	--	4,000.00	--	1,497.34	3,144.96
Wise Fund	--	--	--	--	--	--
<b>Totals</b>	\$143,680.64	\$70,100.68	\$157,103.31	\$81,851.20	\$140,163.01	\$148,870.42

	Balance July 1, 1960	Transfers In	Receipts	Transfers out	Disbursements	Balance June 30, 1961
<b>Federal Grants</b>						
U. S. Atomic Energy Commission AR (30-1) 1378 (51)	\$ 2,478.88	\$	\$	\$	\$ 2,452.16	\$ 26.72
U. S. Atomic Energy Commission Equipment	11,537.79		3,753.00	490.00	5,582.29	5,955.50
U. S. Atomic Energy Commission (30-1) 2736	--		--	--	327.41	2,935.59
U. S. Atomic Energy Commission Chemistry and Electrical Engr.	--		16,000.00		--	16,000.00
U. S. Atomic Energy Commission Grant No. 25	160.00		--		160.00	--
U. S. Department of Agriculture #12-14-100-258	1,167.52		12,500.00		12,292.26	1,375.26
U. S. Information Agency #1A-4187-6	1,000.00		--		--	1,000.00
U. S. Office of Education SAE-8306	18,948.89		--		1,529.69	17,319.40
U. S. Air Force Office of Scientific Research #60-2	19,650.27		--		11,621.69	8,028.58
U. S. Air Force Office of Scientific Research #60-43	--	5,000.00	25,000.00		30,000.00	--
U. S. Air Force Office of Scientific Research #61-28	--	--	29,400.00	4,900.00	13,078.22	11,421.78
U. S. Army Ordnance G-64	--	--	4,986.00	831.00	407.70	3,747.30
U. S. Department of Agriculture Forest Service	127.54		1,050.00		1,005.47	172.07
U. S. Navy Bureau of Ships #78343	1,311.09	21,000.00	--		21,118.25	1,192.84
U. S. Navy - Nonr - 2151 (00)	8,969.65	6,028.63	--	5,732.39	9,265.89	--
Amendment No. 5	--	14,732.39	--	12,632.41	5,336.70	2,099.98
U. S. Navy - Nonr - 3357 (00)	--	6,000.00	--	--	--	663.30
U. S. Army Contract - CML - 912	--	--	--	--	--	--
National Institutes of Health Facilities #RC-112	7,642.11	--	--	--	7,639.97	2.14
National Institutes of Health Facilities #RC-144	34,310.80	--	--	--	34,299.58	11.22
Sub-Totals	\$107,304.54	\$52,761.02	\$92,689.00	\$11,953.39	\$168,849.49	\$71,951.68
<b>Research and Training Grants</b>						
National Institutes of Health						
M-1061-C4	3,203.48	49.11		57.41	3,131.70	71.78
M-1293-C3	2,248.74	7.27		7.49	1,918.30	379.55
M-2620	50.14					--
M-2620-C1	6,660.58	57.41			6,294.37	416.13
M-3803	3,320.00	--	2,300.00	300.00	2,881.89	438.11
M-3803	--	--	5,946.00	776.00	1,535.72	364.28
M-4392	--	--	12,661.00	1,651.00	3,798.54	1,371.46
M-1293-C4	--	--	5,908.00	770.00	4,752.49	3,483.91
M-4201	--	--	8,212.00	1,072.00	3,656.09	3,451.27
M-6200-C2	--	--	2,024.00	264.00	308.73	3,260.00
M-3803-C1	--	--	3,979.00	519.00	200.00	1,284.50
M-4164-C1	--	--	1,477.00	192.50	--	--
M-12943	--	59.88	250.00	810.21	4,058.97	--
2M-6400-C3	4,809.00	810.21	15,000.00	1,171.02	12,669.49	1,969.70
2M-6400-C4	--	158.03		2,243.40	1,273.68	--
2M-6244-C4	3,359.05	2,243.40	43,107.00	2,421.03	41,963.03	966.34
2M-6244-C5	--	47.72		365.81	1,953.57	--
A-1266-C3	2,271.66	365.81	7,820.00	1,067.71	3,726.27	3,391.83
A-1266-C4	--				955.46	--
A-3526-BBC(1)	955.46		5,290.00	690.00	1,936.40	2,663.60
A-3526-C1	--	18.51		145.27	2,150.87	--
C-4052-C1	2,277.63					--

## Statement of Receipts, Disbursements, Transfers and Balances

Research & Training Grants (Cont.)		Balance July 1, 1960	Transfers in	Receipts	Transfers out	Disbursements	Balance June 30, 1961
National Institutes of Health							
C-4052-C2	\$ --	\$ 145.27	\$ 4,847.00	\$ 650.95	\$ 2,636.73	\$ 1,704.59	
E-562-C6	5,122.36	40.30	--	308.98	4,853.68	--	
E-562-C7	--	308.98	8,958.00	1,209.30	3,882.59	4,175.09	
Cy-5478	--	--	24,288.00	3,168.00	2,448.51	18,671.49	
E-742-C4	1,928.51	287.40	--	2,203.40	12.51	--	
E-742-C5	4,592.70	2,203.40	6,430.00	1,125.40	10,915.17	1,185.53	
E-1442-C4	5,774.68	--	--	--	4,642.79	1,131.89	
E-1442-C5	--	--	4,026.00	525.00	2,162.32	1,338.68	
E-742-C6	--	5,800.00	6,089.00	729.00	1,508.49	9,651.51	
E-2771	6,307.67	85.48	--	660.38	5,732.77	--	
E-2771-C1	--	660.38	5,060.00	746.14	3,355.80	1,618.44	
H-2296-C5	3,441.85	516.28	--	3,958.13	--	2,096.03	
H-2296-C6	6,907.52	3,958.13	--	516.28	8,253.34	141.18	
E-2645-A	134.34	6.84	--	--	141.18	--	
RG-3848-C1	7,422.48	--	--	--	7,045.75	376.73	
RG-5848-C2	--	--	6,855.00	894.00	3,681.08	2,279.92	
RG-5921-C1	8,753.79	312.40	--	--	6,671.06	2,395.13	
RG-5921-C2 & C2S	7,140.71	--	--	--	5,855.47	1,285.24	
RG-7483 & 7483 S1	--	--	14,375.00	1,875.00	7,949.60	4,550.40	
RG-6377-C2	--	--	7,287.00	951.00	3,290.21	3,045.79	
	--	--	2,106.00	274.75	1,067.41	763.84	
Sub-Totals	\$ 86,682.35	\$ 18,142.21	\$ 204,295.00	\$ 34,319.56	\$ 193,497.42	\$ 81,302.58	
National Science Foundation							
C-3292	147.45	.09	--	--	147.54	--	
G-4021	734.47	15.25	--	--	749.72	--	
G-5243	572.70	46.57	--	--	619.27	--	
G-6264	1,196.34	213.88	--	--	1,410.22	--	
G-7114	3,457.79	--	4,700.00	613.04	7,044.04	500.71	
G-7889	13,834.17	--	--	--	13,834.17	--	
G-7964	--	22.74	--	--	22.74	--	
G-8710	1,071.58	--	6,000.00	782.60	6,189.85	99.13	
G-9502	4,528.09	--	7,500.00	978.30	7,019.91	4,029.88	
G-10918	11,740.41	--	--	--	10,333.06	1,407.35	
G-11101	4,301.74	--	2,900.00	378.26	4,296.72	--	
G-11212	3,698.70	3.52	670.00	--	4,372.22	2,526.76	
G-11380	4,804.67	--	3,300.00	550.00	6,110.62	1,444.05	
G-13128	7,166.67	--	--	--	6,990.63	176.04	
G-13139	6,870.00	--	--	--	6,326.78	543.22	
G-13271	2,950.00	--	--	--	2,392.70	3,057.30	
G-13402	--	--	3,000.00	500.00	2,769.55	980.45	
G-13935	--	--	4,500.00	750.00	2,769.55	1,680.83	
G-14142	--	--	6,400.00	1,066.67	3,652.50	1,680.83	
G-14652	--	--	3,200.00	533.33	2,252.06	414.61	
G-16715	--	--	9,000.00	1,500.00	181.30	7,318.70	
G-15152	--	--	15,200.00	1,500.00	971.88	14,228.12	
G-15701	--	--	4,830.00	630.00	--	4,200.00	
G-15618	--	--	1,955.00	120.00	1,580.00	1,580.00	
G-17650	--	--	3,465.00	452.00	286.32	2,726.68	
G-17662	--	--	11,700.00	1,950.00	895.40	8,854.60	
G-18013	--	--	3,000.00	500.00	272.91	2,227.09	
	--	--	2,900.00	483.00	--	2,417.00	
National Science Summer Fellow- ship Project	--	--	810.00	--	--	810.00	
National Science - Chemical Notation Systems Project	--	--	1,000.00	--	--	1,000.00	
Sub-Totals	\$ 67,074.78	\$ 302.05	\$ 96,030.00	\$ 11,922.20	\$ 89,262.11	\$ 62,222.52	
Total - Special Gifts	\$ 433,310.06	\$ 143,098.01	\$ 623,983.31	\$ 140,046.35	\$ 675,560.05	\$ 384,784.98	
Total - Scholarships	\$ 28,567.75	\$ 1,792.05	\$ 73,866.00	\$ --	\$ 83,788.02	\$ 20,437.78	
Total - Industrial Grants	143,680.64	70,100.68	157,103.31	81,851.20	140,163.01	148,870.42	
Total - Federal Grants	261,061.67	71,205.28	393,014.00	58,195.15	451,609.02	215,476.78	
	\$ 433,310.06	\$ 143,098.01	\$ 623,983.31	\$ 140,046.35	\$ 675,560.05	\$ 384,784.98	

Schedule B-9

Capital Outlay Appropriations

Name & Account No.	Total Appropriation	Expenditures		Balance of Approp. of June 30, 1961
		Previous Years	Current Years	
Improvement of Land for Physical Education Playing Field, #8258-37	\$170,000.00	\$166,005.87	\$ 2,646.51	\$ 1,347.62
Certain Land with Buildings #8258-34	150,000.00	996.43	8,041.34	140,962.23
Addition to Library Books #8157-91	100,000.00	22,750.84	77,247.15	2.01
Purchase of Books #1350-26-13	100,000.00	--	100,000.00	--
Land Purchase #8262-12	371,000.00	--	--	371,000.00
<b>Totals</b>	<b>\$891,000.00</b>	<b>\$189,753.14</b>	<b>\$187,935.00</b>	<b>\$513,311.86</b>
Special Appropriations				
	Total Appropriation	Expenditures Previous Years	Current Years	Balance of Approp. of June 30, 1961
For Certain Scholarships #1350-96-13	\$ 25,000.00	--	\$ 25,000.00	\$ --
Purchase and Installation of Certain Equipment #8259-52	100,000.00	98,345.61	960.45	693.94
Addition to Sewage Plant #1350-27	100,000.00	--	100,000.00	--
<b>Totals</b>	<b>\$225,000.00</b>	<b>\$ 98,345.61</b>	<b>\$125,960.45</b>	<b>\$ 693.94</b>



Analysis of General Maintenance Appropriation  
by Subsidiary Accounts

Code No.	Subsidiary Accounts	Appropriation	Available for Expenditures	Total Exp. and Encumbrances	Balance of Approp. June 30, 1961
01	Salaries, Perm. Positions	\$6,887,030.00	\$6,887,030.00	\$6,839,781.77	\$47,248.23
02	Salaries, Other	731,744.00	731,744.00	690,628.58	41,115.42
03	Services, Non-Employees	431,500.00	431,500.00	425,855.61	5,644.39
04	Food for Persons	42,000.00	42,000.00	41,806.01	193.99
05	Clothing	800.00	800.00	777.54	22.46
06	Housekeeping Supp. & Exp.	40,000.00	40,000.00	39,997.24	2.76
07	Lab., Med. & General Care	8,700.00	8,700.00	8,635.87	64.13
08	Heat and Other Plant Op.	481,000.00	481,000.00	480,954.79	45.21
09	Farm and Grounds	72,000.00	72,000.00	71,817.96	182.04
10	Travel & Auto. Expenses	78,000.00	78,000.00	77,998.13	1.87
11	Advertising & Printing	44,900.00	44,900.00	42,526.47	2,373.53
12	Reprs., Alt. & Additions	200,000.00	200,000.00	199,734.29	265.71
13	Special Supplies & Exp.	210,000.00	210,000.00	208,814.52	1,185.48
14	Office & Admin. Exp.	131,900.00	131,900.00	131,663.66	236.34
15	Equipment	83,604.00	83,604.00	83,480.81	123.19
16	Rentals	759,265.00	759,265.00	759,215.77	49.23
18	Special Outlay	2,000.00	2,000.00	1,581.00	419.00
Totals		\$10,204,443.00	\$10,204,443.00	\$10,105,270.02	\$99,172.98*

Other Maintenance:

3304-44	Inland Fish & Game	\$ 8,100.00	8,100.00	7,864.47	235.53*
1350-11-10	Recruitment of University President	2,500.00	2,500.00	2,500.00	--
1350-21	Research with Federal Grants	79,276.37	43,347.68	31,478.50	47,797.87**
1350-35-14	Entertainment of Distinguished Visitors	2,000.00	2,000.00	2,000.00	--
1350-36-16	Rental of President's House	1,200.00	1,200.00	1,000.00	200.00*

\*Balances reverted to State Treasurer

\*\*\$47,797.87 carried forward

Schedule D

Summary of State General Maintenance  
and Federal Appropriation Expenditures  
by Budgetary Divisions

	<u>State</u>	<u>Federal</u>	<u>Total</u>	<u>% of Total</u>
Administration	\$ 428,008.58	\$ ----	\$ 428,008.58	3.9
Instruction	5,487,000.28	103,589.81	5,590,590.09	50.4
Extension Service	483,709.66	455,223.64	938,933.30	8.4
Experiment Station	777,134.87	433,791.86	1,210,926.73	11.0
Control Services	410,966.91		410,966.91	3.7
Operation of Plant	2,433,124.30		2,433,124.30	21.9
Boarding Hall	85,325.42		85,325.42*	.7
Totals	\$10,105,270.02	\$992,605.31	\$11,097,875.33	100.0

\*Covers July and August 1960 only; operated as University Trust Fund beginning September 1, 1960 as authorized by Chapter 507 of the Acts of 1960.

## Schedule E

State General Maintenance Appropriation  
Comparative Statement of Expenditures  
by Budgetary Divisions

Division	1959		1960		1961	
	Amounts	% of Total	Amounts	% of Total	Amounts	% of Total
Administration	\$ 351,378.23	4.2	\$ 389,832.44	4.2	\$ 428,008.58	4.2
Instruction	4,073,181.68	48.8	4,618,502.69	49.2	5,487,000.28	54.3
Extension Service	398,741.35	4.8	430,921.57	4.6	483,709.66	4.8
Experiment Station	624,511.15	7.5	670,123.56	7.1	777,134.87	7.7
Control Services	381,829.49	4.6	385,222.16	4.1	410,966.91	4.1
Operation of Plant	1,825,149.43	21.9	2,106,856.02	22.4	2,433,124.30	24.1
Boarding Halls	691,163.02	8.2	788,267.31	8.4	85,325.42*	.8
<b>Totals</b>	<b>\$8,345,954.35</b>	<b>100.0</b>	<b>\$9,389,725.75</b>	<b>100.0</b>	<b>\$10,105,270.02</b>	<b>100.0</b>

\*Covers July and August 1960 only; operated as University Trust Fund beginning September 1, 1960 as authorized by Chapter 507 of the Acts of 1960.

## By Subsidiary Accounts

Code No.	1959	1960	1961
01 Salaries	\$5,263,095.56	\$5,584,719.66	\$ 6,839,781.77
02 Salaries, Other	689,359.12	987,579.15	690,628.58
03 Services, Non-Employees	354,551.69	409,940.46	425,855.61
04 Food	396,932.05	458,771.23	41,806.01
05 Clothing	729.15	691.76	777.54
06 Housekeeping Supplies & Expenses	45,465.41	47,608.90	39,997.24
07 Laboratory, Medical & General Care	4,658.17	4,936.42	8,635.87
08 Heat and Other Plant Operations	392,978.18	427,722.60	480,954.79
09 Farm and Grounds	74,923.78	75,541.70	71,817.96
10 Travel and Automotive Expenses	74,997.05	73,997.21	77,998.13
11 Advertising and Printing	33,277.93	41,448.01	42,526.47
12 Repairs, Alterations and Additions	168,682.31	139,811.60	199,734.29
13 Special Supplies and Expenses	149,702.96	179,803.50	208,814.52
14 Office and Administrative Expenses	134,498.23	124,175.35	131,663.66
15 Equipment	4,505.78	74,821.81	83,480.81
16 Rentals	556,184.38	756,943.79	759,215.77
18 Special Outlays	1,212.60	1,212.60	1,581.00
<b>Totals</b>	<b>\$8,345,954.35</b>	<b>\$9,389,725.75</b>	<b>\$10,105,270.02</b>

## Schedule F

## State General Maintenance Appropriation

## Summary of Expenditures by Budgetary Divisions and Subsidiary Accounts

	Administration	Instruction	Extension	Exp. Station	Control	Operation of Plant	Boarding Halls	Totals
Salaries, Perm.	\$331,667.28	\$4,317,996.55	\$429,180.99	\$573,551.28	\$331,632.65	\$ 809,759.06	\$45,993.96	\$ 6,839,781.77
Salaries, Other	18,180.78	330,165.42	25,828.13	140,860.02	20,103.27	152,273.92	3,217.04	690,628.58
Services, Non-E.	13,562.42	350,288.93	4,443.16	9,863.15	19,594.94	25,242.31	2,860.70	425,855.61
Food		9,309.75					32,496.26	41,806.01
Clothing		324.57		52.92		400.05		777.54
Housekeeping Supplies		12,686.41		243.00	4.71	26,318.45	744.67	39,997.24
Laboratory, Medical & Gen.		8,635.87						8,635.87
Heat & Other		457.02		12.50		480,485.27		480,954.79
Farm and Grounds		53,195.93		16,510.50	172.98	1,938.55		71,817.96
Travel & Auto.	4,438.19	31,081.36	16,560.93	7,575.18	11,879.23	6,463.24		77,998.13
Advert. & Print.	18,868.15	16,696.38	3,330.62	1,982.06	1,459.32	189.94		42,526.47
Repr., Alt. & Add.	1,049.19	22,905.43	1,018.39	9,436.89	757.03	164,567.36		199,734.29
Special Supp.&Exp.	2,333.26	179,683.18	564.63	6,629.49	19,594.37	7.70	1.89	208,814.52
Office & Admin.	14,044.15	88,712.20	2,725.31	2,255.84	1,738.21	22,177.05	10.90	131,663.66
Equipment	3,942.76	50,277.13		1,063.57	4,030.20	24,167.15		83,480.81
Rentals	19,922.40	14,584.15	57.50	7,098.47		717,553.25		759,215.77
Special Outlay	--					1,581.00		1,581.00
Totals	\$428,008.58	\$5,487,000.28	\$483,709.66	\$777,134.87	\$410,966.91	\$2,433,124.30	\$85,325.42	\$10,105,270.02

1960-1961 Fiscal Year Expenditures Summary  
By Budget Divisions and Departments

Dept. Code	State Funds		Other Funds		Net Total
	Salaries and Wages	Other Expenditures	Salaries and Wages*		
<u>A Executive Order:</u>					
A 11 Trustees	\$ 31,761.63	\$ 1,773.59	\$	\$ 1,773.59	\$ 1,773.59
A 12 President's Office	16,977.50	11,171.97		42,933.60	42,933.60
A 13 Secretary's Office	10,635.00	18.75		16,996.25	16,996.25
A 14 Alumni	20,982.97	354.63		10,989.63	10,989.63
A 15 Publications		17,723.16		38,706.13	38,706.13
A 16 Centennial		22.56		22.56	22.56
<b>Totals</b>	<b>80,357.10</b>	<b>31,064.66</b>		<b>111,421.76</b>	
<u>B 11 Financial Management</u>					
	163,976.36	31,869.59	8,469.11	204,315.06	
<u>C 11 Business Management</u>					
	85,930.53	860.36		86,790.89	
<u>D 11 Construction &amp; Maintenance</u>					
	33,146.49	803.49		33,949.98	
<u>E Provost's Office:</u>					
E 11 Provost's Office	50,076.92	2,132.97	1,337.66	53,547.55	53,547.55
E 12 Admissions & Registrar	65,046.91	8,310.16	3,162.60	76,519.67	76,519.67
<b>Totals</b>	<b>115,123.83</b>	<b>10,443.13</b>	<b>4,500.26</b>	<b>130,067.22</b>	
<u>F Student Personnel:</u>					
F 22 Dean of Men	69,826.61	1,390.92	1,776.93	72,994.46	72,994.46
F 23 Dean of Women	77,987.39	1,211.11		79,198.50	79,198.50
F 24 Placement Office	55,226.48	2,327.46		57,553.94	57,553.94
F 25 Student Health	86,385.68	10,483.82		96,869.50	96,869.50
F 26 Guidance Service	23,478.22	2,831.25		26,309.47	26,309.47
F 27 Faculty Proctors	17,455.51			17,455.51	17,455.51
F 28 Testing Counseling	15,536.17			15,536.17	15,536.17
<b>Totals</b>	<b>345,896.06</b>	<b>18,244.56</b>	<b>1,776.93</b>	<b>365,917.55</b>	
<u>G 11 Library</u>					
	176,654.41	80,796.77		257,451.18	
<u>H 11 Audio Visual</u>					
	23,019.83	7,202.64		30,222.47	
<u>J College of Arts and Sciences:</u>					
J 11 Dean's Office	13,615.03	1,878.76		15,493.79	15,493.79
J 12 Economics	68,664.79	947.56		69,612.35	69,612.35
J 14 English	262,734.54	1,589.24	8,385.33	272,709.11	272,709.11
J 16 German	85,114.35	220.51		85,334.86	85,334.86
J 17 Government	83,979.14	1,000.05	14,239.92	99,219.11	99,219.11
J 18 History	136,690.08	774.63	614.37	138,079.08	138,079.08
J 19 Music	36,689.45	2,512.58		39,202.03	39,202.03



1960-1961 Fiscal Year Expenditures Summary  
By Budget Divisions and Departments

Dept. Code	State Funds Salaries and Wages	State Funds Other Expenditures	Other Funds Salaries and Wages*	Net Total
<u>J College of Arts &amp; Sciences (Cont.)</u>				
J 20 Philosophy	\$ 32,578.93	\$ 346.75	\$ 110.95	\$ 33,036.63
J 21 Psychology	78,700.16	2,271.47	101,330.89	182,302.52
J 23 Romance Language	133,174.39	2,435.11	1,394.04	137,003.54
J 24 Sociology	86,105.28	1,171.82	801.90	88,079.00
J 25 Speech	73,679.60	390.30		74,069.90
J 26 Art	35,336.35	1,441.66		36,778.01
J 27 Astronomy	8,809.05		243.01	9,052.06
J 32 Public Health	85,707.65	6,060.63	13,790.25	105,558.53
J 33 Botany	93,096.62	5,942.28	13,723.24	112,762.14
J 34 Chemistry	192,209.98	32,409.84	77,362.04	301,981.86
J 35 Entomology				
J 36 Geology & Mineralogy	75,078.79	6,145.44	1,430.00	82,654.23
J 37 Mathematics	164,603.25	1,941.17	2,423.36	168,967.78
J 38 Physics	127,634.92	1,811.81	8,625.73	138,072.46
J 39 Zoology	121,384.45	15,077.19	53,544.45	190,006.09
<b>Totals</b>	<b>1,995,586.80</b>	<b>86,368.80</b>	<b>298,019.48</b>	<b>2,379,975.08</b>
<u>K College of Agriculture: (Instruction)</u>				
K 01 Dean of College of Agriculture	16,578.75	1,997.94		18,576.69
K 02 Agric. Communications	9,714.50	24.44		9,738.94
K 03 Agric. Economics	32,814.00	1,581.95		34,395.95
K 04 Agric. Engineering	45,567.42	3,152.84		48,720.26
K 05 Agronomy	39,908.50	617.60	784.50	41,310.60
K 06 Dairy & Animal Science	73,323.86	11,900.03		85,223.89
K 07 Entomology & Pathology	73,508.39	2,857.81	4,120.99	80,487.19
K 08 Farm Service	248,238.70	51,431.52		299,670.22
K 09 Floriculture	77,582.12	2,364.50	4,460.70	84,407.32
K 10 Food Technology	53,765.24	1,841.83	3,547.00	59,154.07
K 11 Forestry	60,602.20	3,826.46	5,600.23	70,028.89
K 12 Landscape Architecture	58,146.89	1,251.12		59,398.01
K 15 Poultry	19,522.05	9,428.78		28,950.83
K 16 Veterinary Science	9,460.50		45.51	9,506.01
<b>Sub-Totals</b>	<b>818,733.12</b>	<b>92,276.82</b>	<b>18,558.93</b>	<b>929,568.87</b>
<u>(Extension Service)</u>				
K 21 Director's Office	37,552.14	237.31	154,412.11	192,201.56
K 22 Agric. Communications	73,094.75	3,730.64	11,077.52	87,902.91
K 23 Agric. Economics	62,562.37	4,302.19	44,865.17	111,729.73
K 24 Agric. Engineering	24,555.84	577.68	5,428.30	30,561.82
K 25 Agronomy	12,841.17	646.89	2,768.99	16,257.05
K 26 Dairy & Animal Science	44,076.41	2,541.92	1,505.81	48,124.14
K 28 Cranberry Station	11,460.00	450.55		11,910.55

1960-1961 Fiscal Year Expenditures Summary  
By Budget Divisions and Departments

Dept. Code	State Funds		State Funds		Other Funds		Net Total
	Salaries and Wages	Other Expenditures	Salaries and Wages	Other Expenditures	Salaries and Wages*		
<b>K College of Agriculture (Cont.)</b>							
	(Extension Service)						
K 29	Entomology & Pathology	19,884.65	401.11		4,900.00	\$	25,185.76
K 30	Floriculture	30,080.60	2,365.01		3,295.25		35,740.86
K 31	Food Technology	8,656.05	501.35		16,415.98		25,573.38
K 32	Forestry	11,687.18	234.34		207.75		12,129.27
K 33	4-H	13,535.89	4,127.39		40,457.35		58,120.63
K 34	Home Economics	65,240.42	2,810.98		41,130.62		109,182.02
K 35	Landscape Architecture						
K 38	Poultry	4,393.26	709.35		9,564.85		14,667.46
K 39	Veterinary Science	14,475.65	599.76		5,745.00		15,075.41
K 40	Waltham Field Station	17,468.48			20,811.33		23,213.48
K 41	Ext. Div. of Agric.	7,887.42	20.91				28,719.66
	<b>Sub-Totals</b>	<b>459,452.28</b>	<b>24,257.38</b>		<b>362,586.03</b>		<b>846,295.69</b>
<b>(Experiment Station)</b>							
K 51	Director's Office	29,511.00	1,159.94		2,732.80		33,403.74
K 52	Agric. Communications	12,028.00	680.32				12,708.32
K 53	Agric. Economics	48,084.76	282.77		45,627.54		93,995.07
K 54	Agric. Engineering	25,962.86	1,696.09		18,956.75		46,615.70
K 55	Agronomy	35,129.93	765.48		19,401.35		55,296.76
K 56	Dairy & Animal Science	37,984.54	478.34		46,073.89		84,536.77
K 57	Bacteriology	16,324.49	995.23		12,090.79		29,410.51
K 58	Botany						
K 59	Chemistry	14,935.40	397.63		11,917.35		27,250.38
K 60	Cranberry Station	60,004.98	1,841.11		24,702.80		86,548.89
K 62	Entomology & Pathology	41,235.06	1,272.79		31,242.12		73,749.97
K 63	Farm Service	101,182.23	22,085.24				123,267.47
K 64	Floriculture	52,621.99	2,438.69		28,624.93		83,685.61
K 65	Food Technology	31,562.69	119.46		50,879.11		82,561.26
K 66	Forestry	13,791.82	487.74		18,358.23		32,637.79
K 67	Home Economics	17,475.15	299.79		29,061.88		46,836.82
K 68	Landscape Architecture		215.19				215.19
K 71	Poultry	22,693.06	10,137.50		27,041.32		59,871.88
K 72	Veterinary Science	24,614.10	1,415.77		30,721.41		56,751.28
K 73	Waltham Field Station	135,439.89	6,091.34		25,073.41		166,604.64
K 74	Shade Tree						
K 75	Feed, Fertilizer	3,692.50					3,692.50
	<b>Sub-Totals</b>	<b>724,274.45</b>	<b>52,860.42</b>		<b>422,505.68</b>		<b>1,199,640.55</b>
<b>(Control Service)</b>							
K 82	Dairy Cattle	16,549.54	942.43				17,491.97
K 84	Dairy Laws	65,857.41	8,366.61				74,224.02
K 85	Shade Tree	80,210.19	5,609.11				85,819.30
K 86	Veterinary Science	175,828.47	24,717.90		3,681.67		204,228.04
K 87	Waltham Field Station	32,885.25					32,885.25
	<b>Sub-Totals</b>	<b>371,330.86</b>	<b>39,636.05</b>		<b>3,681.67</b>		<b>414,648.58</b>
	<b>Totals</b>	<b>2,373,790.71</b>	<b>209,030.67</b>		<b>807,332.31</b>		<b>3,390,153.69</b>

Schedule G (Continued)

1960-1961 Fiscal Year Expenditures Summary  
By Budget Divisions and Departments

Dept. Code	<u>State Funds</u>		<u>State Funds</u>		<u>Other Funds</u>		Net Total
	Salaries and Wages	Other Expenditures	Salaries and Wages*	Other Expenditures	Salaries and Wages*	Other Expenditures	
<u>L School of Business Administration:</u>							
L 11 Dean of Business Admin.	\$ 22,749.24	\$ 4,237.41	\$	\$ 55.00	\$	\$ 27,041.65	
L 12 Accounting	43,247.46	220.98		91.50		43,468.44	
L 13 General Business & Finance	50,185.92	200.07		300.00		50,477.49	
L 14 Management	35,781.00	241.71		8,316.00		36,322.71	
L 15 Marketing	18,327.81	96.70				26,740.51	
<b>Totals</b>	<b>170,291.43</b>	<b>4,996.87</b>	<b>8,762.50</b>			<b>184,050.80</b>	
<u>M School of Engineering:</u>							
M 11 Dean of Engineering	38,764.72	3,160.86	62,713.47			104,639.05	
M 12 Chemical Engineering	35,553.31	7,409.50	9,395.80			52,358.61	
M 13 Civil Engineering	101,257.97	6,781.97	32,233.59			140,273.53	
M 14 Mechanical Engineering	176,488.57	8,678.13	17,544.13			202,710.83	
M 15 Electrical Engineering	122,073.07	9,711.65				131,784.72	
<b>Totals</b>	<b>474,137.64</b>	<b>35,742.11</b>	<b>121,886.99</b>			<b>631,766.74</b>	
N 11 School of Home Economics	71,021.24	4,770.59	20,324.59			96,116.42	
O 11 School of Nursing	74,306.60	4,791.61	14,369.27			93,467.48	
<u>P School of Physical Education:</u>							
P 11 Dean of Physical Education	134,489.43	15,971.62				150,461.05	
P 12 Physical Education for Men	94,802.00	6,740.48				101,542.48	
P 13 Physical Education for Women	94,287.16	6,227.96				100,515.12	
P 14 Athletics	18,144.34	29.40	205,375.84			223,549.58	
P 15 Recreation	15,125.20	1,209.25				16,334.45	
<b>Totals</b>	<b>356,848.13</b>	<b>30,178.71</b>	<b>205,375.84</b>			<b>592,402.68</b>	
Q 11 School of Education	123,376.66	6,664.62	3,467.76			133,509.04	
<u>R Division of Military Science:</u>							
R 11 Air ROTC	4,694.94	533.62				5,228.56	
R 12 Armored ROTC	15,125.85	125.63				15,251.48	
<b>Totals</b>	<b>19,820.79</b>	<b>659.25</b>				<b>20,480.04</b>	
S 11 Graduate School	80,442.60	2,549.53	44,778.37			127,770.50	
T 11 Bureau of Government Research	39,182.28	3,608.08				42,790.36	
U 11 Summer School	106,626.48	239.56				106,866.04	



**1960-1961 Fiscal Year Expenditures Summary  
By Budget Divisions and Departments**

Dept. Code	<u>State Funds</u>		<u>State Funds</u>		<u>Other Funds</u>		Net Total
	Salaries and Wages	Other Expenditures	Salaries and Wages*	Salaries and Wages*			
<b>X Operation of Plant:</b>							
X 11 Expense	\$ 135,447.24	\$ 779,018.26	\$	\$	\$	\$	914,465.50
X 12 CW&P, HP&E		67,515.65					67,515.65
X 14 Janitor M & S		20,914.50					20,914.50
X 16 Coal Haul. Freight		245,600.07					245,600.07
X 21 Maint. & Repairs	211,456.36	67,720.38					279,176.74
X 22 Administration	29,985.48	1,734.16					31,719.64
X 23 Campus Security	46,795.70	747.03					47,542.73
X 24 Custodial	356,507.31	1,264.56					357,771.87
X 25 Grounds	56,313.97	5,396.67					61,710.64
X 26 Motor Pool	36,387.05	31,050.68					67,437.73
X 27 Dormitory Rentals		441.95					441.95
X 28 Waltham Utilities		15,530.05					15,530.05
X 29 E. Waltham Utilities		1,277.41					1,277.41
X 31 Telephone Service	3,587.55	22,394.90					25,982.45
X 32 Warehouse	21,929.83	184.66					22,114.49
X 33 Power Plant	88,864.80	185,058.08					273,922.88
<b>Totals</b>	<b>987,275.29</b>	<b>1,445,849.01</b>					<b>2,433,124.30</b>
<b>Y Boarding Halls:</b>							
Y 11 Expense	52,071.70	760.66	465,867.94				518,700.30
Y 12 Materials & Supplies		32,493.06	481,786.03				514,279.09
<b>Totals</b>	<b>52,071.70</b>	<b>33,253.72</b>	<b>947,653.97</b>				<b>1,032,979.39</b>
<b>Z Student Union:</b>							
Z 11 Student Union Fund			148,577.32				148,577.32
Z 12 Student Union Food Fund			182,287.78				182,287.78
Z 13 Student Union Store Fund			66,280.62				66,280.62
Z 14 RSO			4,249.94				4,249.94
<b>Totals</b>			<b>401,395.66</b>				<b>401,395.66</b>
200 Chemical Supplies		69.22					69.22
300 Chemical Supplies		231.49					231.49
400 Other Miscellaneous			1,455.41				1,455.41
600 Duplicating Supplies		10,449.54					10,449.54
700 Duplicating Supplies		10,694.26					10,694.26
800 Contingency Reserve		6,326.40					6,326.40
900 Reserve Accounts	7,383.00	92,745.32					100,128.32
<b>Total Expenditures</b>	<b>\$7,956,265.96</b>	<b>\$2,149,004.06</b>	<b>\$2,889,568.45</b>				<b>\$12,994,838.47</b>

\*Expenditures, other than for Salaries and Wages, not distributed by all budget divisions and departments.

Schedule H  
Boarding Halls\*

Statement of Receipts and Expenditures

Receipts:

Income	\$1,100,321.95
Less: Student Refunds	<u>63,038.30</u>
Net Receipts	\$1,037,283.65

Expenditures:

Salaries and Wages	341,329.44
Food Purchases	406,784.32
Other Expenditures	<u>137,166.31</u>
	885,280.07

Excess of Receipts over Expenditures \$152,003.58

\*As authorized by Chapter 507 of the Acts of 1960, the Boarding Halls started operating as a University Trust Fund effective September 1, 1960. Therefore, this report covers only a ten-month period.



Schedule I

Intercollegiate Athletics

Statement of Receipts, Disbursements and Balances

Balance July 1, 1960 \$ 46,481.90

Receipts:

Student Fees \$119,862.25  
 Other 92,630.56  
 \$212,492.81

Less:

Refund of Fees 2,020.61

Net Receipts

210,472.20

Net Total Available

\$256,954.10

Disbursements:

Intercollegiate Athletics \$ 74,156.43  
 Intramural and Other Programs 13,042.85  
 Athletic Injury Care 1,784.65  
 Cheerleaders 549.34  
 Travel 11,322.49  
 Sports Information 15,607.27  
 Barber Fund 71,549.15  
 Operation Expenses 13,488.62  
 Capital Outlay 3,688.70

Total Disbursements

205,189.50

Balance June 30, 1961

\$51,764.00

Athletic Reserve Account

Balance July 1, 1960

\$ 1,076.85

Interest on Savings Account

40.37

Balance June 30, 1961

\$ 1,117.22

Schedule J

Recognized Student Organizations  
Statement of Receipts, Disbursements and Balances  
Year Ended June 30, 1961

Balance July 1, 1960:			
The First National Bank of Amherst		\$ 11,639.94	
Amherst Savings Bank		<u>49,969.62</u>	
Total			\$ 61,609.56
Receipts:			
Student Fees	\$137,878.00		
Less Refunds	<u>2,284.01</u>		
		135,593.99	
Cash Deposits		103,569.61	
Transfers		<u>160,949.55</u>	
Total			<u>400,113.15</u>
Disbursements:			
Cash	245,372.85		
Transfers	<u>160,949.55</u>		
			\$406,322.40
Balance June 30, 1961:			
Cash in Transit	\$ 2,430.35		
The First National Bank of Amherst		1,363.02	
Amherst Savings Bank		<u>51,606.94</u>	
Total			<u>55,400.31</u>
			<u>\$461,722.71</u>

Student Union - University Store Fund  
Statement of Income and Expenses  
July 1, 1960 to June 30, 1961

	<u>Supplies</u>	<u>Books</u>	<u>Totals</u>
Sales	\$225,255.47	\$314,421.75	\$539,677.22
Cost of Goods Sold:			
Inventory 7/1/60	43,973.06	53,900.81	97,873.87
Net Purchases	<u>157,339.64</u>	<u>263,848.26</u>	<u>421,187.90</u>
	201,312.70	317,749.07	519,061.77
Less Inventory 6/30/61	<u>46,770.14</u>	<u>54,445.43</u>	<u>101,215.57</u>
Cost of Goods Sold	154,542.56	263,303.64	417,846.20
Gross Profit on Sales	70,712.91	51,118.11	121,831.02
Other Income:			
Post Office			2,000.04
Miscellaneous Income			<u>73.33</u>
Gross Profit from Operations			\$123,904.39
Expenses:			
Transportation in - General		\$ 31.15	
Transportation Out		551.18	
Miscellaneous Expense		174.01	
Selling Expenses:			
Permanent Payroll	\$22,493.28		
Student Payroll	2,062.93		
Supplies	272.27		
Insurance	102.00		
Depreciation	410.71		
Repairs & Maintenance	18.00		
Telephone & Telegraph	501.14		
Postage	200.00		
Advertising	800.54		
Laundry	102.40		
Miscellaneous	<u>2,637.25</u>		
Administrative Expenses:			
Permanent Payroll	32,750.78		
Student Payroll	988.16		
Supplies	14.62		
Insurance	929.97		
Depreciation	336.09		
Repairs & Maintenance	767.40		
Telephone & Telegraph	120.40		
Postage	201.60		
Travel	620.17		
Miscellaneous	840.43		
Employees Group Insurance	<u>567.85</u>		
Warehouse & Storage Expenses:			
Permanent Payroll	10,461.66		
Student Payroll	533.31		
Depreciation	31.39		
Repairs & Maintenance	<u>335.46</u>		
Total Expenses		<u>11,361.82</u>	
Excess of Income over Expenses			<u>79,856.15</u>
			<u>\$44,048.24</u>

Above statement prepared by Student Union

Schedule K-2

Student Union - University Store Fund  
Balance Sheet - June 30, 1961

<u>ASSETS</u>		<u>LIABILITIES AND CAPITAL</u>	
Cash on Hand	\$ 2,348.85	Accounts Payable	\$ 5,973.70
Cash in Bank	56,523.32	Accrued Salaries	881.40
Cash in Transit	3,353.41	Sales Tax Payable	478.13
Contribution to S. U.		Contingencies Reserve	59.25
Reserve Fund		Free Capital	168,731.51
Accounts Receivable	8,559.93	S U Reserve	
Prepaid Books	2,623.02	Fund	<u>8,559.93</u>
Inventory	101,215.57	Capital	177,291.44
Store Equip.	\$8,194.60		
Less Depr.	<u>1,718.87</u>		
Office Equip.	4,228.79		
Less Depr.	<u>977.24</u>		
Whse & Storage			
Equipment	378.84		
Less Depr.	<u>110.33</u>		
	<u>268.51</u>		
	<u>\$184,683.92</u>		<u>\$184,683.92</u>
Capital Account July 1, 1960			\$148,243.20
Less Transfer to Student Union General Fund			15,000.00
			<u>133,243.20</u>
Excess of Income over Expenses for the Year			44,048.24
			<u>\$177,291.44</u>
Net Worth as of July 1, 1961			

Above statement prepared by Student Union.

Student Union - Food Service Fund  
Statement of Income and Expenses  
July 1, 1960 to June 30, 1961

Counter Sales	\$444,381.14
Catering Sales	<u>46,923.16</u>
Total Sales	491,304.30
Miscellaneous Operating Income	<u>2,008.80</u>
Total Income	\$493,313.10

COST OF GOODS SOLD

Inventory 7/1/60	4,159.63
Food Purchases	<u>220,226.33</u>
	224,385.96
Inventory 6/30/61	<u>3,946.27</u>
Cost of Goods Sold	220,439.69
Gross Profit on Sales	272,873.41

EXPENSE

Salaries - Permanent Payroll	182,089.25
Salaries - Student Payroll	3,570.61
Supplies	17,869.43
Repairs, Maintenance & Additions	8,464.20
Advertising	9.28
Laundry	6,820.12
Miscellaneous Expense	218.86
China and Silver	1,944.83
Uniforms	61.00
Utilities	1,130.58
Depreciation Expense	1,460.57
Employees Group Insurance	1,498.60
Travel and Conventions	239.26
Total Expense	<u>225,376.59</u>
Excess of Income over Expense	<u>\$ 47,496.82</u>

Above statement prepared by Student Union.



Student Union - Food Service Fund  
Balance Sheet - June 30, 1961

<u>ASSETS</u>		<u>LIABILITIES AND CAPITAL</u>	
Cash on Hand	\$ 900.00	Accounts Payable	\$10,204.39
Cash In Bank	44,403.03	Accrued Wages	2,314.96
Cash In Transit	3,246.02	Mass. Old Age Tax Payable	365.58
Contribution to S. U. Reserve	27,795.84	Free Capital	\$62,348.48
Accounts Receivable	5,367.24	S. U. Reserve Fund	<u>27,795.84</u>
Inventory 6/30/61	3,946.27	Capital	90,144.32
Equipment	20,168.97		
Less Depreciation	<u>2,798.12</u>		
	<u>\$103,029.25</u>		<u>\$103,029.25</u>

Capital Account

Capital July 1, 1960	\$ 77,647.50
Transfers to Student Union General Fund	35,000.00
	<u>42,647.50</u>
Excess of Income over Expense for the Year	47,496.82
	<u>\$ 90,144.32</u>
Net Worth as of June 30, 1961	<u>\$ 90,144.32</u>

Above statement prepared by Student Union.

Schedule K-5

Student Union - General Fund  
Statement of Income and Expenditures  
July 1, 1960 - June 30, 1961

Income

Student Fees, Less Refunds	\$122,222.36
Student Activities Tax - Senate	7,500.00
Transfer from Food Service	35,000.00
Transfer from University Store	15,000.00
Conference Services	174,061.05
Games Area	34,180.67
Rentals & Custodial Fees	4,962.24
Office Services	3,334.75
Lobby Counter Sales	58,940.35
Other Activities	5,066.96

Total Income for the Year

\$460,268.38

Expenditures

Administrative	\$ 40,863.62
Maintenance	44,260.86
Games Area	26,627.02
Student Activities	24,449.79
Conference Services	172,278.67
Office Services	2,741.22
Lobby Counter	58,002.22
Other Activities	317.19
Building Rental	80,000.00

Total Expenditures for the Year

449,540.59

Excess of Income over Expenditures

\$ 10,727.79

Above statement prepared by Student Union.

Schedule K-6

Student Union - General Fund  
Balance Sheet - June 30, 1961

<u>ASSETS</u>		<u>LIABILITIES AND CAPITAL</u>	
Cash on Hand	\$ 4,050.00	Accounts Payable	\$ 27,314.23
Cash In Bank	27,189.94	Accrued Wages	2,437.29
Cash In Transit	28,484.75	Conference Advance Receipts	100.00
Contribution to SU Reserve Fund	17,303.38	Junior Executive Training Acct. Restricted Gifts	218.44
Accounts Receivable	5,273.49	Free Capital	\$55,874.81
Lobby Counter Inventory	1,200.71	SU Reserve Fund	<u>17,303.38</u>
Equipment	\$21,716.30	Capital	73,178.19
Lease Depr.	<u>1,470.42</u>		
	<u>\$103,748.15</u>		<u>\$103,748.15</u>
		<u>Capital Account</u>	
Capital July 1, 1960			\$62,450.40
Plus excess of Income over Expenditures			<u>10,727.79</u>
Net Worth as of June 30, 1961			<u>\$73,178.19</u>

Above statement prepared by Student Union.

Schedule K-7

Student Union - Reserve Fund  
Balance Sheet - June 30, 1961

ASSETS

Cash

\$54,482.31

RESERVES

Reserve for Equipment Replacements:

Student Union General Fund \$17,303.38

Student Union Food Service 27,795.84

S.U. University Store Fund 8,559.93

Interest

823.16

=====

\$54,482.31

=====

=====

\$54,482.31

=====

Above statement prepared by Student Union.

Schedule L  
Inventory of Land

<u>Location</u>	<u>Acreage</u>	<u>Assessed Valuation June 30, 1961</u>
Amherst	529.80	\$2,546,500.00
Hadley	232.94	33,000.00
Amherst	46.00	500.00
Pelham	.50	100.00
Pelham	1,196.00	20,000.00
Belchertown	4.00	50.00
Sunderland	726.20	8,000.00
Leverett	28.80	270.00
East Wareham	26.77	11,550.00
Walcham	58.80	92,450.00
<hr/>		
TOTAL	<u>2,849.81</u>	<u>\$2,712,420.00</u>



## Inventory of Buildings and Structures

Year Constructed	Location	Description	Assessed	
			Valuation	June 30, 1961
1919	Amherst	Adams Hall (Dormitory)	\$	128,175.00
1940	Amherst	Butterfield Hall (Dormitory)		232,598.00
1948	Amherst	Berkshire House (Dormitory)		165,266.00
1948	Amherst	Hampshire (Married Students)		165,266.00
1948	Amherst	Middlesex House (Dormitory)		163,800.00
1948	Amherst	Plymouth House (Dormitory)		165,266.00
1948	Amherst	Suffolk House (Married Students)		163,300.00
1940	Amherst	Lewis Hall (Dormitory)		177,019.00
1935	Amherst	Thatcher House (Dormitory)		193,950.00
1869	Amherst	Blaisdell House (Residence)		4,000.00
1928	Amherst	Conklin Garage		7,500.00
1928	Amherst	Conklin House (Residence)		1,200.00
1909	Amherst	David House (Residence)		1,200.00
1909	Amherst	David Barn		
1923	Hadley	Farm Bungalow #1		
1923	Hadley	Farm Bungalow #2		
1914	Hadley	Swine Barn		
1927	Hadley	Bungalow Garage & Office		15,470.00
1911	Hadley	Sheep Barn		
1940	Hadley	Portable Units (8) Sheep		
1940	Hadley	Portable Units (8) Sheep		
1940	Hadley	Portable Units (2) Swine		
1940	Hadley	Portable Units (2) Swine		
1914	Amherst	Milker's Bungalow		2,100.00
1910	Amherst	Harlow House (Perry) & Barn		2,550.00
1922	Amherst	Hilton House		9,400.00
1922	Amherst	Hilton Garage & Barn		300.00
1867	Amherst	Mellen's House (Residence)		1,200.00
1884	Amherst	President's House		19,000.00
1955	Amherst	Montague House		8,000.00
1939	Amherst	Tillson Garage		304.00
1926	Amherst	Tillson House		6,714.60
1867	Amherst	Homestead (Practice House)		14,800.00
1867	Amherst	Stockbridge House		9,100.00
1911	Amherst	Waiting Station (Shelter)		500.00
1930	Amherst	Scale House		250.00
1961	Amherst	Air Dry Kiln		2,500.00
1918	Sunderland	Mt. Toby Shed		750.00
1918	Sunderland	Mt. Toby House		1,500.00
1961	Pelham	Mt. Lincoln Radio Station		1,500.00
1929	Amherst	Garage (6-car)		2,500.00
1918	Amherst	Grounds Tool Shed & Garage		245.00
1953	Amherst	Animal Isolation Laboratory		98,500.00
1957	Amherst	Animal Disease (Thayer) Laboratory		50,000.00
1911	Amherst	Apiary Laboratory		3,000.00
1951	Amherst	Boiler House (Heat Supply)		
1959	Amherst	Boiler House Addition (Ht. Supply)		3,157,869.00
1937	Amherst	Bowditch Lodge (4-H)		5,400.00

## Schedule I-1 (Continued)

## Inventory of Buildings and Structures

Year Constructed	Location	Description	Assessed
			Valuation June 30, 1961
1925	Amherst	Cavalry Barns	\$ 16,500.00
1950	Amherst	R. O. T. C. Garage	63,800.00
1885	Amherst	Chapel - Classrooms	76,288.00
1922 & 59	Amherst	Goessmann Laboratory (Chemistry) & Addition	2,896,900.00
1907	Amherst	Clark Hall (Botany) Labs. & Classrooms	)
1907	Amherst	Clark Hall Greenhouse	67,400.00
1953	Amherst	Dining Commons	)
1961	Amherst	Dining Commons Addition	985,300.00
1903	Amherst	Draper Hall Classrooms	504,475.00
1947	Amherst	Draper Hall Annex Storage	)
1889	Amherst	East Experiment Station Laboratory	296,529.00
1949	Amherst	Elm Disease Control Laboratory (Shade Trees)	14,000.00
1949	Amherst	Game <del>ss</del> Laboratory (Engineering)	23,400.00
1950	Amherst	Engineering Building (Elec.) Labs. & Classrooms.	374,500.00
1949	Amherst	Engineering Annex Classrooms	1,120,753.00
1915	Amherst	Engineering Shops Labs. & Classrooms	118,500.00
1933	Amherst	Farley 4-H Club House Lodge	28,550.00
1955	Amherst	Durfee Range (Greenhouse)	3,500.00
1910	Amherst	Fernald Hall (Entomology) Laboratory	69,684.00
1911	Amherst	Fernald Hall Greenhouse	80,000.00
1911	Amherst	Fisher Laboratory (Cold Storage)	825.00
1912	Amherst	Flint Laboratory (Dairy Science)	24,616.00
1930	Amherst	Chenoweth Laboratory (Food Technology)	210,723.00
1867	Amherst	Forestry - Classrooms & Lab.	69,966.00
1867	Amherst	Forestry Annex - Classrooms & Lab.	)
1909	Amherst	French Hall (Hort. & Flori.) Labs. & Classrms.	5,180.00
1908	Amherst	French Hall Greenhouse	)
1915	Amherst	Infirmary Group (3 bldgs.)	74,356.00
1960	Amherst	Bartlett Hall Classrooms and Laboratories	25,500.00
1931	Amherst	Lumber Shed (Rawlne)#1 Storage	34,300.00
1931	Amherst	Lumber Shed (Rawlne)#2 Storage	2,181,125.00
1923	Amherst	Old Paint Shop Storage	2,150.00
1957	Amherst	Machmer Hall Classrooms	2,150.00
1947	Amherst	Marshall Hall Annex Classrooms & Labs.	1,574.00
1915	Amherst	Marshall Hall	967,578.00
1896	Amherst	Mathematics Building Classrooms	)
1920	Amherst	Memorial Hall Classrooms	68,459.00
1898	Amherst	Munson Hall Administration	)
1899	Amherst	Munson Hall Annex Administration	)
1891	Amherst	Hatch Laboratory Classrooms & Labs.	70,127.00
1891	Amherst	Hatch Laboratory Annex Classrooms & Labs.	)
1950	Amherst	Paige Laboratory	19,374.00
1931	Amherst	Physical Education (Men)	2,000.00
1931	Amherst	Physical Education Cage (Men)	487,500.00
1959	Amherst	Physical Education (Women)	)
1950	Amherst	Hasbrouck Lab. (Physics) Classrooms & Labs.	287,500.00
1907	Amherst	Power Plant Service Building	1,716,581.00
1959	Amherst	Public Health Building Classrooms & Labs.	501,000.00
1960	Amherst	Morrill Hall (Science Center) Classrms. & Labs.	12,000.00
1948	Amherst	Skinner Hall (Home Ec.) Classrooms & Labs.	1,360,800.00
			1,941,020.00
			596,700.00

## Inventory of Buildings and Structures

Year Constructed	Location	Description	Assessed Valuation June 30, 1961
1885	Amherst	South College (Administration)	\$ 100,300.00
1912	Amherst	Stockbridge Hall	417,066.00
1960	Amherst	Dickinson Hall (ROTC)	468,105.00
1918	Amherst	Turbine House (Power Supply)	17,665.00
1952	Amherst	Turbine House Addition (Power Supply)	263,615.00
1959	Amherst	Vegetable Gardening Building & Greenhouse	293,500.00
1911	Amherst	Grinnell Arena )	38,000.00
1929	Amherst	Abattoir (Slaughter House) )	1,100.00
1931	Amherst	Physical Education Garage	3,000.00
1950	Amherst	Physical Education Service Bldg. & Garage	1,000.00
1945	Amherst	Press Box Athletics	500.00
1931	Amherst	Ticket Booth Athletics	2,450.00
1921	Amherst	Poultry Breeding Building	504.00
1916	Amherst	Poultry Unit	400.00
1917	Amherst	Poultry Unit	800.00
1956	Amherst	Turkey Breeding House Poultry	600.00
1955	Amherst	Turkey Breeding House Poultry	800.00
1956	Amherst	Poultry Laying House	600.00
1956	Amherst	Colony Houses (6) Poultry	2,000.00
1923	Amherst	Tillson Farm Poultry Houses (4)	276.00
1923	Amherst	Tillson Summer Shelters Poultry (3)	5,300.00
1939	Amherst	Breeding House Poultry	3,000.00
1939	Amherst	Main Storage Building	5,000.00
1947	Amherst	Brooder House Wing	1,000.00
1941	Amherst	Storage Barn Poultry	8,000.00
1959	Amherst	Turkey Broiler Test Building Poultry	1,015.00
1939	Amherst	Breeding House Poultry	300.00
1931	Amherst	Range Feed House Poultry	300.00
1947	Amherst	Brooder Houses (3)	1,200.00
1947	Amherst	Brooder Houses (12)	1,000.00
1947	Amherst	Open Shelters Poultry	5,000.00
1894	Amherst	Horse Barn	27,000.00
1885	Amherst	West Experiment Station Laboratory	45,662.00
1906	Amherst	Wilder Hall Classrooms	627,000.00
1960	Amherst	Maintenance Building	1,940,873.00
1934	Amherst	Goodell Library )	500.00
1960	Amherst	Goodell Library Addition )	2,000.00
1960	Amherst	Vegetable Gardening Orlyte Greenhouse	4,500.00
1928	Amherst	Repair Shop & Garage (Station Service)	5,000.00
1928	Amherst	Station Service Barn	400.00
1928	Amherst	Station Service Main Barn	1,254.00
1920	Amherst	Horticulture Mfg. Shed	800.00
1933	Amherst	Horticulture Mfg. Tool Shed	73.00
1920	Amherst	Center Storage Shed	3,100.00
1918	Amherst	Tractor Garage	2,700.00
1911	Amherst	Brooder House	10,000.00
1912	Amherst	Poultry Classroom Building	98.00
1940	Amherst	Poultry Laying House	50.00
1918	Amherst	Tool Shed	100.00
1915	Amherst	Hen House Poultry	1,250.00
1915	Amherst	Shavings Shed	
1914	Amherst	Poultry Building House	



Schedule L-1 (Continued)

Inventory of Buildings and Structures

Year Constructed	Location	Description	Assessed Valuation June 30, 1961
1950	Amherst	Turkey Porch Poultry	\$ 7,675.00
1910	Amherst	Dairy Barn and Wing	33,211.00
1958	Amherst	Harvestore Silo & Room	2,000.00
1941	Amherst	Cattle Stable - Barn	4,000.00
1910	Amherst	Machinery Shop	4,000.00
1928	Amherst	Farm Horse Barn	6,194.00
1938	Amherst	Maternity Barn - Dairy	8,000.00
1909	Amherst	Beef Barn - Dairy	6,500.00
1939	Amherst	Young Stock Barn - Dairy	36,837.00
1939	Amherst	Silos (3)	600.00
1939	Amherst	Beef Barn Unit - Dairy	5,500.00
1922	Amherst	Young Stock Hay Barn - Dairy	5,000.00
1933	Amherst	Bull Barn - Dairy	14,041.00
1927	Amherst	Young Stock Manure Pit	500.00
1929	Amherst	Corn Crib (7) Open Sheds	650.00
1924	Amherst	Brooks Hen House Poultry	200.00
1957	Amherst	Brooks Tobacco Shed	3,000.00
1958	Amherst	Poultry House Brooders (9)	900.00
1951	Amherst	Poultry Rearing Houses (2)	5,000.00
		Comfort Station	20.00
1926	Waltham	Insectary Laboratory	)
1928	Waltham	Pit House Laboratory	)
1934	Waltham	Plant House Laboratory	)
1957	Waltham	Orlyte Greenhouse	)
1924	Waltham	Stock Barn	)
1924	Waltham	Shed	)
1924	Waltham	Office & Laboratory	)
1924	Waltham	Farm House	)
1924	Waltham	Hay Barns	)
1929	Waltham	Greenhouse	)
1950	Waltham	Greenhouse	)
1929	Waltham	Potting Shed	)
1935	Waltham	Greenhouse	)
1959	Waltham	Propagating Building	)
1949	Waltham	Orlyte Greenhouse	)
1924	Waltham	Office Building - Administration	)
1924	Waltham	Boiler House - Heat Supply	)
1924	Waltham	Farmhouse Garage	)
		Farmhouse Hen House - Poultry	)
1952	East Wareham	Cranberry Laboratory & Office	)
1957	East Wareham	Cranberry Garage & Shop	)
1926	East Wareham	Cranberry Pump House	)
1955	East Wareham	Insectary Laboratory	)
1957	East Wareham	Greenhouse	)
1958	East Wareham	Auxiliary Pump House	)
1960	East Wareham	Research Laboratory	)
		Storage Shed	)
1920	Amherst	Pomology Garage	3,185.00
1951	Amherst	Poultry Breeding House #8	4,127.00
1958	Amherst	Poultry Rearing House (2)	14,295.00

Total

\$27,038,721.00

Schedule L-2

Inventory of Improvements other than Buildings

	Book Value <u>July 1, 1960</u>	Additions	Book Value <u>June 30, 1961</u>
Roads, Sidewalks, etc.	\$ 179,361.89		\$ 179,361.89
Sewer, Water & Drainage System	318,643.11	605,493.35	924,136.46
Steam Lines	1,527,427.61	569,625.15	2,097,052.76
Electrical Lines	962,238.51	262,802.69	1,225,041.20
Parking Areas	41,366.27		41,366.27
Tennis Courts	62,042.25	28,852.00	90,894.25
Playing Fields	258,518.12	--	258,518.12
Coal Platform & Scales	--	29,509.43	29,509.43
<hr/>			
Totals	\$3,349,597.76	\$1,496,282.62	\$4,845,880.38





ANNUAL REPORT OF THE DEAN OF THE COLLEGE OF AGRICULTURE  
TO THE PRESIDENT, UNIVERSITY OF MASSACHUSETTS

For the Period

October 1, 1960 - September 30, 1961

by A. A. Spielman, Dean  
College of Agriculture

December 1961.









I. APPROPRIATIONS

Fiscal Year 1959-60, 1960-61, 1961-62.

COLLEGE OF AGRICULTURE APPROPRIATIONS

Year	Instruction	Control	Extension Service		Experiment Station		TOTALS
			State	Federal	State	Federal	
1959-60	\$822,085.71	\$385,222.16	\$430,936.49	\$423,637.00	\$670,132.47	\$433,485.00	\$3,165,498.83
1960-61	740,375.51	410,573.25	483,429.00	460,429.00	777,713.85	434,655.00	3,307,647.00
1961-62	814,363.22	460,987.00	488,195.00	496,160.00	871,125.00	478,821.00	3,609,651.22

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Totals for 1959-60 and 1960-61 are based on IBM expenditure report as of June 30. Totals for 1961-62 are estimates only as Personal Service Funds are never allocated.

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II. PERSONNEL.

COLLEGE OF AGRICULTURE

Position Numbers in each rank: Sept. 1959, Sept. 1960, Sept. 1961

Rank:	<u>Sept. 1959</u>	<u>Sept. 1960</u>	<u>Sept. 1961</u>
Dean and Director	1	1	1
Associate Dean and Director of Stockbridge School	0	1	1
Associate Director of Extension Service	1	1	1
Commonwealth Head of Department "A"	0	0	1
Head of Department "A"	17 plus (1 7 wk.)	16 plus (1 7 wk.)	15 plus (1 7 wk.)
Commonwealth Professor "A"	0	0	4
Professor "A"	62	62	59
Professor, 9 mo.	5	5	5
Associate Professor "A"	30	33	33
Associate Professor, 9 mo.	2	2	3
Assistant Professor "A"	49 plus ( 2 8 wk. ( 1 2½ mo.)	47 plus ( 2 8 wk. ( 1 2½ mo.)	47 plus ( 2 8 wk. ( 1 2½ mo.)
Assistant Professor, 9 mo.	12½	9½	10½
Instructor "A"	33 (full) 17 (½ time)	33 (full) 17 (½ time)	31 (full) 7 (½ time)**
Instructor, 9 mo.	3½ 224½	2½ 221½	2 216

\*\*Number reduced because of conversion to Research and/or Extension Fellowships



III. ORGANIZATION CHART  
(10/1/60-9/30/61)

UNIVERSITY OF MASSACHUSETTS  
College of Agriculture - Administrative Organization

Board of Trustees - University of Massachusetts

President

COLLEGE OF AGRICULTURE

Dean,

Director of Experiment Station, Control Service  
and Director of Extension Service

Experiment Station  
U. S. Dept. of Agri.

Provost

Instruction

Treasurer

Extension Service  
U. S. Dept. of Agri.

Business Manager

Associate Director of Extension Service  
Associate Dean and Director of Instruction  
Associate Director of Experiment Station  
Secretary of Extension Service

Experiment Station - Control Service  
Extension Service

Instruction: Undergraduate Program  
Stockbridge School

(Microbiology, Chemistry & Home Economics)

Other Colleges, Schools or Divisions  
of the University

County Extension Services  
County Boards of Trustees

Departments Conducting Programs in Control, Research, Extension or Instruction

Agronomy	Entomology & Plant Pathology	Microbiology	Barnstable	Hampden
Chemistry	Extension Division of Agriculture	Poultry	Berkshire	Hampshire
Communications, Agricultural	Feed, Fertilizer & Dairy Law (Control Laboratory)	Research & Production Service	Bristol	Middlesex
Dairy & Animal Science	Food Technology	Veterinary Science	Dukes	Norfolk
Economics, Agricultural	4-H Club	Cranberry Station	Essex	Plymouth
Engineering, Agricultural	Forestry & Wildlife Management	Waltham Field Station	Franklin	Worcester
Programs in School of Home Economics	Horticulture	Regional Marketing Education Program		
	Landscape Architecture			



1900

1901

## IV. STUDENTS OR CLIENTELE\*

	<u>Sept. 1959</u>	<u>Sept. 1960</u>	<u>Sept. 1961</u>
Number of Majors	780	841	839
Number of Students Taught	2942	3178	3512

\*Includes Stockbridge School, Graduate School, and Four-Year degree students.

## V. FACULTY PUBLICATIONS.

Printed Publications --	
Bulletins	9
Contributions to Scientific Journals	49 ( <u>includes those approved and printed</u> )
Monthly periodicals	$\frac{12}{69}$



V. RESEARCH GRANTS AND FELLOWSHIPS\*  
October 1, 1960 - September 30, 1961

AGRONOMY	
Grey Chemical Company	\$2,000.00
Dept. of Public Works-Roadside Development	13,636.00
CRANBERRY STATION	
California Spray	500.00
Ocean Spray - Cape Cod Fund	5,000.00
DAIRY AND ANIMAL SCIENCE	
Cocoa Fund	900.00
Milk Solids Fund	2,000.00
Sire Evaluation Fund	600.00
Walker Research Fund	2,000.00
Sterling-Winthrop Fund	1,000.00
AGRICULTURAL ENGINEERING	
Eastern States Fund	3,900.00
ENTOMOLOGY AND PLANT PATHOLOGY	
Shell Fund	500.00
Union Carbide Fund	1,200.00
FOOD TECHNOLOGY	
Carbonated Beverage Fund	4,000.00
Glass Container Fund	29,100.00
Ocean Spray Fund	5,000.00
Wise Potato Fund	3,000.00
FORESTRY AND WILDLIFE MANAGEMENT	
Berkshire County Fund	3,000.00
N. E. Forest Service	1,600.00
U. S. Forest Service	850.00
Wildlife Fund	500.00
HORTICULTURE	
Boston Market Gardeners Fund	500.00
N. E. Carnation Growers Fund	500.00
Rain and Hail Insurance Fund	500.00
Uramite Fund	1,200.00
POULTRY SCIENCE	
Charles M. Cox Fellowship Fund	2,000.00
Norwich Fund	675.00
VETERINARY SCIENCE	
Pfizer Fund	9,400.00
CIBA Fund	1,200.00
Eaton Fund	6,700.00
Lederle Fund	8,000.00





## V. RESEARCH GRANTS AND FELLOWSHIPS -- continued

## FEDERAL GRANT FUNDS

ARS Contract #13-14-100-258,  
Veterinary Science \$12,500.00

ERS Contract #12-17-0017-24,  
Agricultural and Food Economics 8,000.00

## NATIONAL INSTITUTES OF HEALTH

E-1173 -- Dr. Litsky, Microbiology 7,520.00  
E-1442 -- Dr. Hanson, Entomology and  
Plant Pathology 6,000.00

E-2771 -- Dr. Litsky, Microbiology 5,000.00  
RE-5848 -- Dr. Fagerston, Food Technology 13,700.00

## NATIONAL SCIENCE FOUNDATION

13935 -- Dr. Rhode, Entomology and  
Plant Pathology 6,400.00

020861 -- Dr. Guba, Entomology and  
Plant Pathology 1,000.00  

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\$ 171,081.00

\*Funds having balances of less than \$500.00  
not included.



ACTIVE EXPERIMENT STATION PROJECTS -- COLLEGE OF AGRICULTURE  
as of September 30, 1961

<u>Department</u>	<u>Total</u>	<u>Federal</u>	<u>State</u>	<u>Cooperative</u>
<u>Agricultural and Food Economics 14</u>	<u>14</u>	<u>0</u>	<u>0</u>	<u>Agreements</u>
Agricultural Engineering	8	7	0	1
Agronomy	16	11	2	3
Chemistry	6	6	0	0
Cranberry Station	13	7	4	2
Dairy & Animal Science	10	7	0	3
Entomology & Plant Pathology	29	17	7	5
Horticulture	33	18	11	4
Food Technology	17	12	0	5
Forestry & Wildlife Management	12	8	0	4
Home Economics Research	3	3	0	0
Landscape Architecture	3	2	1	0
Microbiology Experiment Station	5	3	0	2
Poultry Science	10	6	3	1
Veterinary Science	10	6	0	4
Waltham Field Station	2	0	0	2
	<u>191</u>	<u>127</u>	<u>28</u>	<u>36</u>



Administration

Dean A. A. Spielman was appointed to the ad hoc committee of the Cooperative State Experiment Station Service for Federal-State Relations. Also appointed by Governor Volpe as Council Coordinator to the Food for Peace Council (representing the Commonwealth of Massachusetts).

Agricultural and Food Economics

Professor Ellsworth Bell continued to serve as a member of the New England Class I Milk Price Committee and as a member of the American Feed Manufacturers' Advisory Council. Dr. John Blackmore is a member of the Editorial Board of the "Journal of Farm Economics," and is General Chairman of a ten-state seminar on the Future of Agriculture in the Northeast, being sponsored by the Eastern States Farmers Exchange. Professor Bradford Crossmon is serving this year as president of the New England Council of Agricultural Economists. Professor John Bragg is on sabbatical leave at the University of Indiana studying the applicability of advanced methods of business management to agricultural firms. Professor Elmar Jarvesoo returned from a post-doctoral study at the North Carolina State College where he concentrated on economic theory and econometrics. Professor Deane Lee is on leave to study in economics, history and geography at Clark University. Professor George Westcott is on leave as a State Department Consultant on the economic development of the Northeast region of Brazil.

Agricultural Engineering

Professors Joe T. Clayton and John W. Zahradnik continued work toward Doctorates under foundation grants at Cornell and M.I.T. respectively. Members of the staff hold membership on four of the five divisional steering committees which direct the technical functions of our national professional society, and on about ten national committees.

Entomology and Plant Pathology

Dr. Emil F. Guba's monumental book, Monograph of the Fungus Genera Monochaetia and Pestalotia, was published by the Harvard University Press. Partly on the basis of this scholarly contribution to the literature of science, Dr. Guba was recently awarded a Commonwealth Professorship. Professor John F. Hanson continued his services as Editor of the Brooklyn Entomological Society. Dr. John H. Lilly represents the University of Massachusetts on the Governor's Special Commission on Pesticides and served during the past year as Chairman of the Resolutions Committee at both the Eastern Branch and the National Meetings of the Entomological Society of America. Professor Frank Shaw co-authored a new book, Beekeeping, published by Macmillan and Company as a successor to an earlier book by E. F. Phillips bearing the same title.

Feed-Fertilizer and Dairy Law

Professor John W. Kuzmeski was elected president of the Association of American Fertilizer Control Officials.

Forestry and Wildlife Management

Professor John H. Noyes and Professor Harold B. Gatslick continue to serve as executive secretaries for commodity and industrial associations - Massachusetts Christmas Tree Growers Association, Massachusetts Wood Producers





#### V. OTHER PROFESSIONAL ACTIVITIES. -- continued

Association, New England Kiln Drying Association. Professor Noyes is a member of the Executive Council, New England Section, Society of American Foresters. Professor Gatslick is serving on program and other committees of the Forest Products Research Society.

##### Landscape Architecture

Professor Paul Procopio is serving as Executive Secretary of the Landscape Exchange, and Professor Raymond Otto is Vice-President of the Boston Chapter, American Society of Landscape Architects.

##### Microbiology Experiment Station

Professor Warren Litsky has been appointed a Special Consultant to the U.S. Public Health Service of the Department of Health, Education and Welfare. This is a three year appointment and assigned to the Research Branch, Division of Water Supplies and Pollution Control of the New York Regional Office.

##### Poultry Science

Professor Robert Grover and Mr. John Denison were appointed to study the rapidly developing poultry industry of the southeastern United States and to determine the economic impact of this development for the Massachusetts and New England Poultry industry. Professor Grover also received a fellowship from the Massachusetts Society for Promoting Agriculture and was able to complete the research phase of his graduate program. Professor William Mellen returned to the University after serving on the Hokkaido University Exchange program for a year.

##### Veterinary Science

Dr. Glenn H. Snoeyenbos serves as Business Manager of Avian Diseases, and is a Member of the Board of Directors and Secretary-Treasurer of the American Association of Avian Pathologists. Professor Henry Van Roekel is a member of the Board of Directors of the American Association of Avian Pathologists; Associate Editor of Avian Diseases; permanent secretary of the Northeastern Conference on Avian Diseases; member of the Executive Council Conference of Research Workers in Animal Diseases; Executive Committee of the National Poultry Improvement Plan and serves on the Advisory Committee for Poultry Research and Marketing, United States Department of Agriculture.



#### VI. SPECIAL PROJECTS OR PROGRAMS.

The Hokkaido University-University of Massachusetts Exchange Program (ICA-W-374) terminated on August 31, 1961; however, a committee composed of Dr. Mack Drake, Dr. W. B. Esselen, Dr. G. W. Westcott, and Dr. W. J. Mellen have been appointed to study a continuation of some form of relationship with Hokkaido University.

During the year the Legislature passed a bill requiring the licensing of tank truck drivers who pick up milk at farms. Responsibility for licensing was placed with the Director of the Experiment Station. Three training courses were held (attendance total 100) and assistance was given Professor John W. Kuzmeski in licensing over 200 drivers.

The highlight of the year, so far as the Forestry and Wildlife Management Department was concerned, was the breaking of ground for the new Holdsworth Natural Resources Center which, once completed, will greatly facilitate accomplishment of objectives and programs. Another major project during the year was the finalizing of plans for the new addition to Chenoweth Laboratory.

A practical and successful vaccine was developed to immunize chickens against avian encephalomyelitis. This poliomyelitis-like disease has caused the annual loss of millions of young chickens for many years. The vaccine immunizes breeding stock; young stock is protected by antibodies passed to the chick through the egg. The Veterinary Science Department is providing vaccine for many Massachusetts poultry breeding flocks until it is commercially available throughout the nation as expected early in 1962.

#### VII. FUTURE PLANS AND NEEDS.

As you know, I am preparing a plan for the future organization and development of the College of Agriculture and, therefore, no report is being submitted.

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It should be noted that this report covers, in large part, a period prior to my appointment as Dean of the College of Agriculture.

--A. A. Spielman

Note: The report covering the activities of the Cooperative Extension Service will be submitted by Associate Director L. H. Davis.



1961 ANNUAL REPORT

Fred P. Jeffrey

FOUR-YEAR PROGRAM

It has been encouraging to observe an increase in total enrollment from 313 in the fall of 1960 to 341 in the fall of 1961. This increase is attributed to a considerable transfer of students from other schools of the University to Food Management, Food Technology and Landscape Architecture.

A major problem -- of long standing -- is that of classes with small enrollments in the specialized options of Poultry Science, Olericulture, Pomology, Floriculture, Agronomy, Agricultural and Food Economics, Entomology and Plant Pathology.

A major objective of any reorganization plan must be a way of solving this problem. Reorganization -- accompanied by the retention of all these specialized options -- will be of no value. We must insist on curriculum revision which will combine specialized options in terms of new and stronger courses based on principles rather than on practices. If the reorganization plan -- as presently proposed -- is adopted, I think we can solve the problem of small class enrollments in all areas except Entomology and Agricultural and Food Economics. Perhaps we should eliminate majors in these two departments but still retain a large variety of service courses which both departments now provide.

STOCKBRIDGE SCHOOL

For several years we have been operating on a school quota of 400. This figure has been a fair and realistic one. A major change for the good was the action of the Board of Trustees of the University in awarding the Associate Degree to Stockbridge graduates -- beginning with the Class of 1961.

We are now in a position of becoming more selective than in the past in regard to admission requirements. This fall we accepted about three of every four applications -- most of these refused were interested in Forestry or Turf Management.

Following is an evaluation of each of our options in terms of student numbers:

Animal Science -- heavy demand; accept approximately 50 students each year.  
Arboriculture -- have no trouble accepting 20 students each year.  
Dairy Technology -- variable demands; 15 freshmen but only 6 seniors.  
Floriculture -- good demand, usually 18 to 20 freshmen.  
Vegetable Growing -- in serious trouble; just one freshman this year.





(1 a.)

Landscape Operations -- a popular course; always have 25 to 30 freshmen.  
Turf Management -- a very popular course right now; our facilities and staff allow the acceptance of 25 freshmen each fall. Many qualified applicants must be turned away.

Poultry Science -- in trouble for the past few years; lucky to get 5 freshmen a year.

Fruit Growing -- in serious trouble for at least the last 5 years; it will have to be discontinued if we don't have more students.

Food Distribution -- a new program but one with great possibilities. 17 freshmen this fall and an expected increase next year.

Food Management -- an improved curriculum is making Food Management a very sound course. Accepted 33 freshmen this fall.

/ Forestry (Vocational) -- heavy demand but restricted job opportunities; 80 applicants turned away this year.

Wood Products -- great promise for the future, especially when good physical facilities will be available.

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## 1961 ANNUAL REPORT

## Department of Communications

The Department of Communications functions in a dual capacity. As Agricultural Communications, it serves the communications needs of the Experiment Station (Research), Instruction, and Control branches of the College of Agriculture.

As the Extension Division of Communications, it furnishes communications support, through the utilization of all educational media, to Extension programs in agriculture, home economics and youth service work conducted by State Extension Specialists and the 12 County staffs throughout the Commonwealth. The Division works closely with the Federal Extension Service of the United States Department of Agriculture. It also supplies communications assistance to the Soil Conservation Service, the Agricultural Stabilization Board and the Treasury Department. One of its responsibilities is the training of State Extension Specialists and the County Extension staffs in the techniques of communications for more effective execution of educational programs.

The areas of responsibility in the Communications Department center in two major branches -- the Editorial, and the Audio-Visual Branch.

EDITORIAL BRANCH

The Editorial branch edits, publishes and distributes all bulletins, leaflets, project material, and special reports for the Extension Service and the Experiment Station. It also services all newspapers throughout the state, radio and television news editors and farm publications with educational information and feature stories on agriculture, home economics and youth service work.

AUDIO-VISUAL BRANCH

This branch of the department supports educational programs in Extension and College of Agriculture activities by use of radio, visual aids, teaching materials, photography, motion pictures, exhibits, television and graphic arts.

Commentary: Unfortunately, the department continues to be a hybrid organization in that it is also a catch-all for University-wide demands for service and professional support in the above areas, with the exception of Visual Education and Television.

As currently constituted, the department is administratively responsible to the following:

- a. Dean of the College of Agriculture
- b. Director of Experiment Station
- c. Director of Extension Service
- d. Dean, School of Home Economics
- e. Treasurer, University of Massachusetts (1)



f. Provost, University of Massachusetts (2)

- (1) For management and operation, including purchasing and personnel, of University Duplicating Service and Mailing Room.
- (2) For management and operation of 4 College Radio Station, WFGR-FM-- personnel supervision, publication of monthly program, news releases, program production coordination, maintenance and liaison with officials of Educational Radio Network, Boston.

HIGHLIGHTS

Experiment Station

Processing of 7 research publications, 5 Control bulletins, 8 monthly "Meteorological Observations" and 55 articles for technical journals.

Extension

Processing of 44 publications and distribution of 260,000 pieces of literature.

News Releases

Releases emphasizing College of Agriculture policy programs, the new "image" for agriculture, and Extension regionalization provided highlights of the press program during the year.

Examples were: special releases on the 4-year and 2-year instruction program, general stories designed to reflect the new (scientific) "image" of agriculture through food, production and processing stories, a half dozen releases in support of the student enrollment campaign, and special Sunday features portraying the function, purpose and history of departments within the College of Agriculture.

In regard to Extension regionalization, interviews were arranged with administrators for reporters desiring exclusive material. Releases to Massachusetts newspapers were augmented by features written by the Communications Department for special publications like the Farm Bureau magazine and other agricultural magazines.

Since July 1961, research and public service areas of the College of Agriculture have been given added emphasis.

Television

Our staff during the past year made 173 different telecasts with a total of 347 showings. These were in the areas of home horticulture, home economics and consumer education. The estimated weekly audience is estimated to be 300,000. Requests were received for 31,990 publications. Each reply carried a transmittal letter which mentioned the College of Agriculture and its services to the people of Massachusetts.

These telecasts were presented on six Massachusetts stations and three out-of-state stations. For example, Gardener's Almanac, Channel 2's most



Faint, illegible text, possibly bleed-through from the reverse side of the page.

W. J. ...  
...

popular program (now in its fourth year) was taped at the station. It was telecast on Channel 2 (Boston) and Channels 11 (New Hampshire), 14 (Worcester), 40 (Springfield), and 4 (New York City) for a period of 27 weeks.\*

Two other weekly programs are also presented on Channel 5 (Boston) and one on Channel 22 (Springfield), the latter being shown on 32 (Greenfield) and 30 (Hartford).

#### Radio

1. With the new equipment purchased for the radio project, including turntables, it has been possible this year to experiment with longer radio programs. A series of 3 half-hour programs for Extension Home Economics on "Problems of The Aged" were recorded, edited, and "framed" with music and narration for distribution to 12 Massachusetts stations. All 12 stations used the series during the summer and early fall of this year.

A documentary on the Dutch Elm Disease is being edited and produced based on discussions and talks that took place at the Dutch Elm Disease Conference early this fall at the Waltham Field Station.

The introduction of half-hour programs has met with more enthusiasm than expected. If the current response to our efforts is an indication, any series that we produce should have no trouble receiving state-wide distribution of from 10 to 12 stations.

The emphasis in the past has been on very short spot announcement type productions as well as 2 to 4 minute features and interviews. The demand for these seems to be expanding, but the possibility of producing the new half-hour documentaries and conversation-type programs seems challenging and exciting.

Future needs for the radio project include stream-lining the maintenance of our equipment. With the Audio-Visual Center moving to the extreme north end of the campus, maintenance is hampered. Our new equipment and engineering set-up for more elaborate radio productions make more readily available maintenance an absolute necessity.

2. WFCR-FM (Four College Radio). Our department was designated in 1957 by the Mather Administration to explore, with the 3 private colleges in the area, the feasibility of establishing a 4 College FM radio station.

This station went into operation in April 1961 and established the first communications link between Amherst, Mount Holyoke, Smith and the University, and 12 distinguished institutions of higher learning in the Metropolitan Boston area.

\* E. I. duPont Company of Wilmington, Delaware, requested our Gardener's Almanac tapes for viewing with the idea of sponsoring in 1962 a nationwide horticultural program modeled after our "Gardener's Almanac."

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

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In November 1961, WFCR became a member of the new Educational Radio Network (ERN), which, supported by funds from the United States Office of Education, will continue its operation through June 30, 1962. ERN is now carrying broadcasts through stations in Boston, Amherst, Albany, New York City, Philadelphia, and Washington.

Our efforts in developing and utilizing the potential of the new four-college station have given the University an invaluable public relations medium. We arranged an Educational Radio Network program featuring Robert Frost on October 25, 1961, which is estimated to have been heard by 3,000,000 people from Boston to Washington. It was the University's first contribution to ERN. Other University programs which our department participated in developing for Network broadcast have been:

1. "The Massachusetts Review Meets the Critics."
2. The Massachusetts Review: Tribute to Thurber.
3. The University Chorale--undergraduate choral group.

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ASSOCIATE ALUMNI  
OF THE  
UNIVERSITY OF MASSACHUSETTS

1. APPROPRIATION

Salaries\*

1959-60	\$ 9,292.00	MAIL
1960-61	10,114.00	\$400.00
1961-62	10,868.00	400.00

\* Lydia H. Hoynoski, J. Elizabeth Lombard, Florence V. Lewis

2. PERSONNEL

Sept. 1959-60	3 Junior Clerk Stenographers
1960-61	3 Junior Clerk Stenographers
1961-62	3 Junior Clerk Stenographers

3. ORGANIZATIONAL CHART - See Attachment A

4. STUDENTS OR CLIENTELE - Approximately 14,000 Alumni

5. FACULTY PUBLICATIONS, ETC. - Alumnus - quarterly magazine to all Alumni

6. SPECIAL PROJECTS OR PROGRAMS-

Alumni Memorial Lecture Series - see attachment B  
Three Year Program - see attachment C

7. Future Plans and Needs -

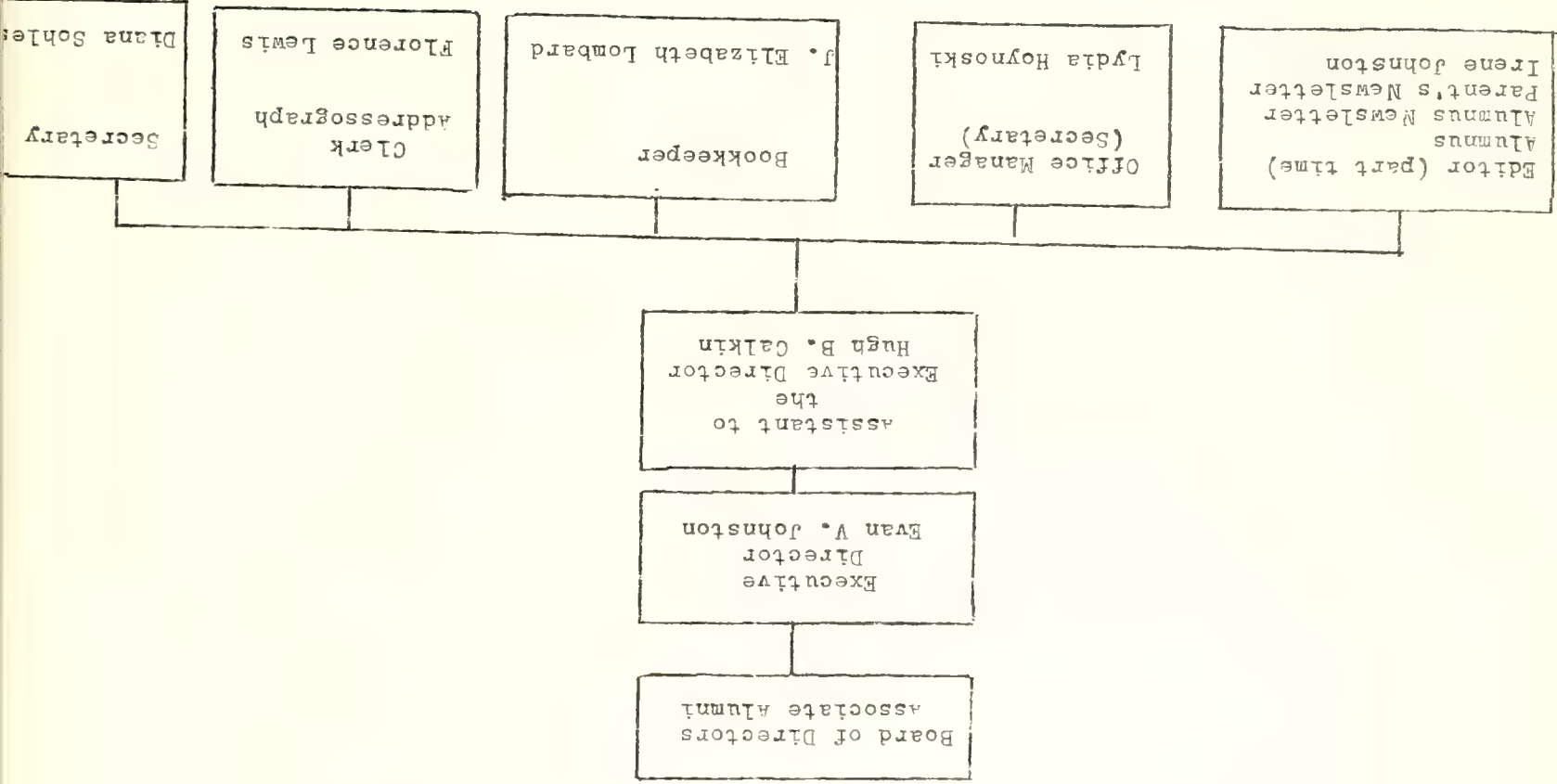
Request for \$1,500.00 increase in postage and office allowance.





ATTACHMENT A

ORGANIZATIONAL CHART





## Preamble

The Memorial Fund Committee, after consideration of numerous suggestions and in the light of the many changes that have come about since the Fund was first collected—for example, the erection of the Student Union Building, which makes an addition to Memorial Hall both unnecessary and impractical—are now recommending a plan for the use of this fund to the Board of Directors.

It is the conviction of the committee that a series of University Lectures dedicated to the memory of those who gave their lives for our country would be a most fitting memorial to them. These young men died in the cause of freedom—the freedom of our country and of those other nations who share our ideals—and one of the most vital supports of freedom now and in the uncertain future is an understanding of what that freedom means and of how it may be sustained and extended here and in the world as a whole.

Since the problems facing our nation in the Twentieth Century are formidable and complex, we believe that a series of lectures addressed to these problems should be conceived in no narrow sense. The framework under which they will be established will be sufficiently flexible to allow for experiment and change; the subject matter will include not only explicit analysis of public affairs by eminent men and women, but the full range of human thought as it may be brought to bear on the great issues of our time in such areas as science, literature, history and philosophy. We shall exclude only the narrowly technical, for the spirit and substance of the lectures should contribute to the minds and hearts of all our students, irrespective of their specialized interests.

Since the roots of freedom lie deep in the American and European past, we believe that over-emphasis on what is narrowly contemporary should be discouraged. Instead, the emphasis should be on explaining the full meaning of our heritage of freedom. The future of a free America demands brains and skills, but it also demands wisdom and understanding. We believe that these lectures will contribute to the end of illuminating and fortifying the minds and spirits of our young people, and we can think of no more appropriate memorial to their young predecessors who had to die for freedom than this.

Therefore

In the spirit of this foregoing statement, the Alumni Memorial Committee makes the recommendation:

1. That an appropriate memorial be erected from the capital of the Alumni Memorial Fund honoring by name those alumni who gave their lives in World War II. Said memorial to be located at Memorial Hall.
2. That memorial lectureships be established out of the income from the Memorial Fund to be administered by the Associate Alumni.

and make awards.

and elsewhere.

All other Associate Alumni services and activities (including publication of *The Alumnus* and *Newsletters* as well as support of other campus activities—such as the University's Regional Science Fair) will be maintained as in the past. The above represents a basic program and does not preclude the inclusion of other activities in the schedule of any particular year.

THE BOARD OF DIRECTORS  
ASSOCIATE ALUMNI  
UNIVERSITY OF MASSACHUSETTS

April 15, 1960

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# HONOR ROLL

Alumni and Students who made the Supreme Sacrifice  
during World War II

ALBERT J. KELLEY '13	LEO D. FAY '39	HAROLD L. GRUMP, JR. '43S
FRANK E. HASKELL '16	DOUGLAS K. HENDERSON '39S	METVILLE B. EATON '43
JOHN F. BRESNAHAN '22S	JOHN MANNA '39	MASSON M. GENTRY '43
METVIN B. HALLITT '23	EDWARD G. MEADE '39	METVIN I. GOLDMAN '43
ROBERT D. MOHOR '23	GERALD M. PARMENTER '39	ROBERT H. HALL, JR. '43S
RAYMOND A. WARDELL '27	RAYMOND E. SMART, JR. '39	RICHARD A. HEWAT '43
WILLIAM C. WITHERELL '29S	RAYMOND E. TAYLOR '39S	CLARENCE V. JONES '43
HAROLD C. DURKIN '30S	WILLIAM P. WOOD '39S	PAUL S. MANSOURIAN '43S
WILLIAM J. O'LEARY '30	ALBERT L. CEMBALISTY '40S	RUSSELL J. McDONALD '43
JOHN P. CARROLL '31S	CHARLES H. COATES '40S	CARL R. RANO '43
JOHN L. DIGGIN '32	WILLIAM N. LAMBERT, JR. '40S	DONALD J. SCHMIDT '43S
AZOR O. GOODWIN '32	MORTON J. PEARLMAN '40	KENNETH A. STEWART '43
LYNWOOD P. TEAGUE '32	RALPH H. REED '40	LOREN C. WILDER '43
NICHOLAS M. O'NEILL '33S	JOHN P. SEREX '40	JAMES M. BURKE '44S
JOSEPH J. SCHEFF '33	GORDON W. THURLOW '40S	WILLIAM E. GERE '44
SAMUEL ADAMS '34	PAUL C. VINSON '40S	WILLIAM J. KABLUCK '44
DAVID W. BROOKS '34S	EDWARD W. ASHLEY '41	AARNE O. KARVONEN '44
W ALLACE L. CHESBRO '34	ALLAN R. BARDWELL '41	STANLEY T. KISEL '44
LAUREN W. HAWES '34S	KENNETH E. BROWN '41S	ALDEN W. LEAROLD '44
GEORGE A. HARTWELL '35	ROBERT T. BRYAN '41S	ROBERT F. MCEWAN '44
WENDELL R. HOVEY '35	HERBERT M. COHN '41	W. EARLE NEWTON, JR. '44
CHARLES W. HUTCHINSON '35	VARNUM P. CURTIS, JR. '41	WILLIAM P. RYAN '44
LEONARD W. PARKER '35	PAUL M. DOOLEY '41	ROBERT J. SWEENEY, JR. '44S
PAUL O. WOOD '35	ANTHONY J. GOODE '41	RAYMOND A. WEINHOLD '44
ROBERT W. ADAMS '36S	CLINTON F. GOODWIN, JR. '41	GEORGE E. ANDERSON '45
MICHAEL ANACKI '36	ROY B. HALL '41S	MILTON S. EDELSTEIN '45
ROBERT S. BRAV '36	EDMUND B. HILL, JR. '41S	NELLO F. FIORIO '45
FRANK GREENWOOD '36	THOMAS W. JOHNSON '41	EDWARD M. GLADDING '45
ANDREW TIMOSHUK '36S	RICHARD H. KNIGHT '41	ROBERT B. GOWER '45
GIUDO J. ULIANA '36	JASON H. LOTOW '41	RANSFORD W. KELLOGG '45
HAROLD E. BALLWAY '37	JOSEPH M. SPRIDIGLIOZZI, JR. '41S	EDWARD J. LESNIEWSKI '45
JAMES J. DOBRY '37	BENJAMIN SPUNGIN '41	ANTHONY G. MARULLI '45
ROBERT J. HODGEN JR. '37S	ROBERT C. TILLSON '41	Eli REINES '45
BERNARD J. JAGLIMCZYK '37S	RICHARD W. VINCENT '41	EDWARD L. ROSS '45
ROBERT L. ROSENFELD '37S	WILLIAM R. WARE '41S	ALBERT S. SIMPSON '45
HERBERT C. SIMMONS '37S	WINTHROP B. AVERY '42	SAMUEL SPRINGER '45
FRANCIS J. THOMAS '37	STEPHEN H. BARTON '42	RICHARD E. THOMAS '45
GEORGE W. TROWBRIDGE, JR. '37S	HAROLD J. BLOOM '42	DWIGHT V. TRUBER '45
DONALD E. WEAVER '37	KENNETH M. COOMBS '42S	MERTON L. CHOUNARD '46
CARL J. BOKINA '38	PAUL J. DWYER '42	PETER D. COLE '46
LOWELL K. HARMOND '38S	GEORGE P. LANGTON '42	PAUL D. HOLST '46
EDWARD W. HIGGINS '38	HOWARD L. LEWIS '42S	EDWIN MARVEL '46
DONALD E. NASON '38S	STEPHEN R. PAPP '42	RAYMOND S. MOEN '46
RICHARD B. NORTH '38S	CHARLES W. PUGHALSKI '42S	CHARLES H. NORTH '46
STEPHEN I. SILVERMAN '38	CARL F. ROEHRICH '42S	EDWARD SHUBIN '46
LAWRENCE H. BINKY '39	JOHN J. SEERY '42	EDWARD GERE TORREY '46
ROBERT S. COLE '39	WHITNEY C. APPLETON '43S	ROGER R. WELLINGTON '46

# FOR STRENGTH AND SERVICE IN THE SIXTIES: A NEW ALUMNI PROGRAM

*With an increasing sense of the responsibilities all public universities must fulfill in the next decade and for decades to come, the Board of Directors of the Associate Alumni of the University of Massachusetts has formulated the following program for greater service to the University, to its graduates, and to society in general.*

*Given the funds, the Board is hereby committing itself to the execution of this program each year until 1963. At that time, long-range plans will have been completed for an even more extensive program in the years beyond the Centennial.*

*In asking for support of this program, the Board is aware that money is needed to carry out such activities. But above all we must have the forthright personal interest and participation of all alumni in these activities and in the University's mission as a whole. This interest and participation—in all senses—we earnestly solicit. Without these, any program is certain to fail.*

*The following are therefore the activities which the Associate Alumni will sponsor during each year between 1960 and 1963, beginning in the academic year 1960-61:*

## I. Alumni Memorial Lectures

Four to six lectures by world figures in the major fields of human activity; the lectures to be delivered at the University with publication rights to be reserved by the Associate Alumni. Cost of such lectures will be covered by monies already raised and available in the Wat Memorial Fund.

## II. Scholarships

\$1,000 to \$3,000 yearly for scholarship grants to deserving University students. Criteria for awards and actual grants will be made by a special committee to be chosen by the Board of Directors of the Associate Alumni. Names of all students selected for awards to be published in *The Alumnus* and in newspapers.

## III. Alumni Achievement Prizes

Three prizes and ten Honorable Mention Awards for outstanding accomplishments by individual alumni in the year previous to the granting of the awards in each of the following fields: 1) community service and 2) professional accomplishment. A committee to be appointed by the Board of Directors of the Associate Alumni will determine winners from among nominations to be made by members of the alumni body. Accomplishments of winners will be documented in *The Alumnus* and in other Associate Alumni publications for general dissemination to all alumni. The awards will be granted at the Alumni Luncheon during Commencement Weekend and will be given full newspaper publicity.

## IV. Faculty Research Grants

Two awards yearly of approximately \$1,000 each for the support of research by members of the University staff. A special committee chosen by the Board of Directors of the Associate Alumni will determine criteria and make awards.

All other Associate Alumni services and activities (including publication of *The Alumnus* and *Newsletters* as well as support of other campus activities—such as the University's Regional Science Fair) will be maintained as in the past. The above represents a basic program and does not preclude the inclusion of other activities in the schedule of any particular year.

## V. Senior Honor Award

A prize of \$200 to be awarded to a graduating senior who shows great promise as a scholar and citizen. A special committee chosen by the Board of Directors of the Associate Alumni will select the winner from among nominations made by department heads at the University. The prize will be called The Associate Alumni Honor Prize and as such will be listed in the Commencement Program and publicized in University news releases.

## VI. Alumni College

Sponsorship of an expanded program of continuing education for alumni; to be held at Commencement time, with the University's faculty as well as other lecturers and discussion leaders participating.

## VII. The Massachusetts Review

Subsidization of this new and distinguished magazine of the arts, literature and public affairs. Edited by F. C. Ellert '30 and others, the magazine is produced on campus and has, in its first two issues, gained international attention.

## VIII. Centennial Program

Support of major Centennial Year activities. Planning has begun for the celebration of the University's 100 years of service to the Commonwealth and the nation. The Associate Alumni organization and all its members will play a most important part in the commemorative events to be held during 1962-63 on campus and elsewhere.

THE BOARD OF DIRECTORS  
ASSOCIATE ALUMNI  
UNIVERSITY OF MASSACHUSETTS



**THE BOARD OF DIRECTORS  
OF THE ASSOCIATE ALUMNI  
OF THE UNIVERSITY OF MASSACHUSETTS  
ANNOUNCES...**

**A NEW ALUMNI PROGRAM**

**ATTACHMENT C**

**FOR STRENGTH AND SERVICE IN THE**



This is a partial report.

The Audio-Visual Center is about to become a function of the School of Education - "Future Plans" will be included in the Report from the School of Education.



1961-62

1961-62

	1961-62	1961-62	1961-62
3	\$1,200	\$ 500	\$ 500
10	200	150	150
11	500	450	200
12	600	1,000	1,000
13	4,500	4,000	4,000
14	650	300	325
15	2,000	2,000	4,500*
TOTAL	\$9,650	\$8,400	\$10,675

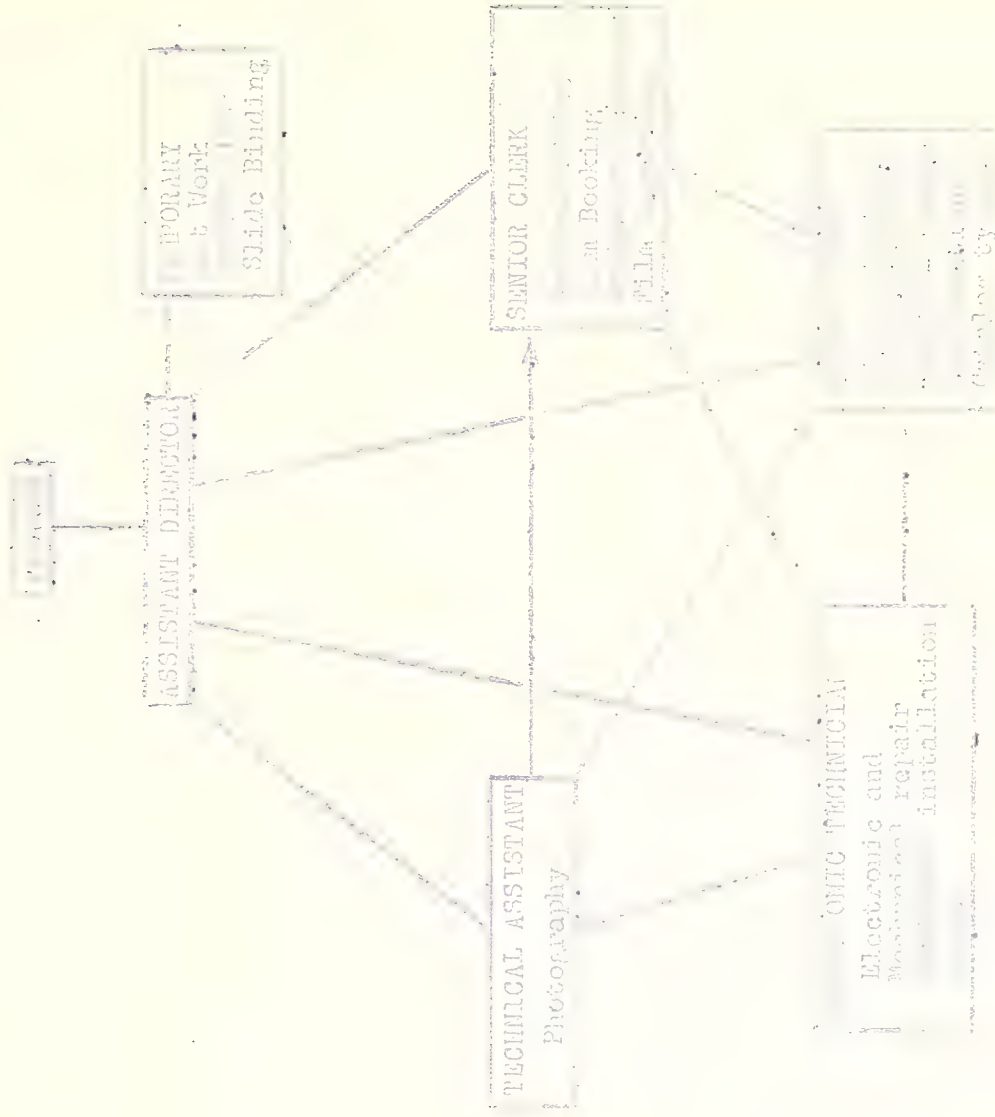
\* Includes \$2,500 for film inspecting



	1959-60	1960-61	1961-62
1. Assistant Professor	0	0	1
2. Assistant Professor	1	1	0
3. Electronics Technician	0	0	1
4. Electronics Technician	2	2	1
5. Electronics Technician	1	1	1
6. Electronics Technician	1	1	1
<b>Total</b>	<b>5</b>	<b>5</b>	<b>5</b>









MEMORANDUM FOR THE RECORD

1959

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1961

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1963



The Audio-Visual Center has not discontinued any service. We still set up public address systems, show motion pictures and tape programs for special or campus wide activities. In the past two years we have added the following to our services. At the start we did not have the equipment or the supplies, but through the loan of privately owned materials by members of the Audio-Visual staff we have developed these services. In the past few years we have been replacing privately owned equipment with State purchases, so that we soon shall have the property established Center.

#### CAMPUS WIDE SERVICE

Under Dept. of	Education	Since beginning of department	1959	1959-60	1960-61	this year so far.
2X2 B&W Slides	0	1248	1857	1987	749	
2X2 Color Slides	0		474	700	210	
Photographs	0	32	93	102	47	
Photo prints	0	no record	394	302	50	
Art Mounts	0	96	66	85	28	
Diazo Projectuals	0	161	56	126	37	
Diapositives	0	no record	395	208	200	
Slides Mounted	0	600	100	111	44	
Dry Mounting	0	no equipment	0	0	0	
Equipment	a few	no record	0	0	0	

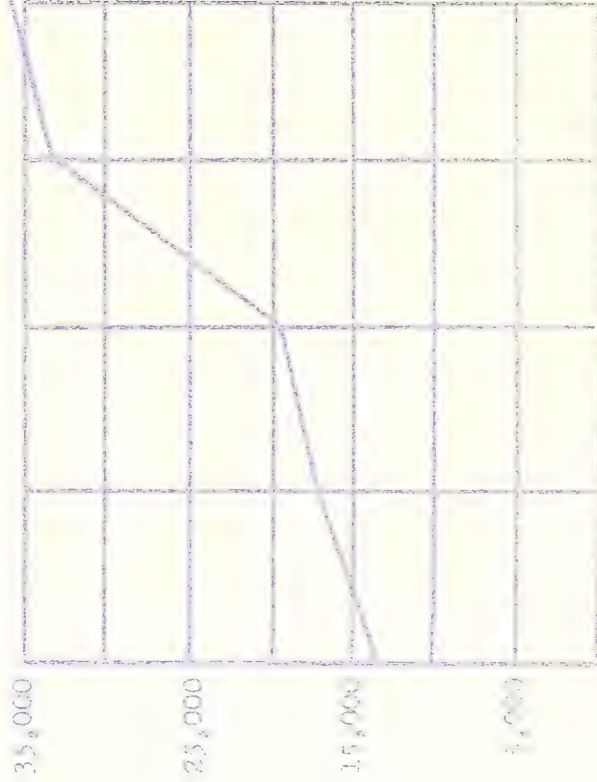
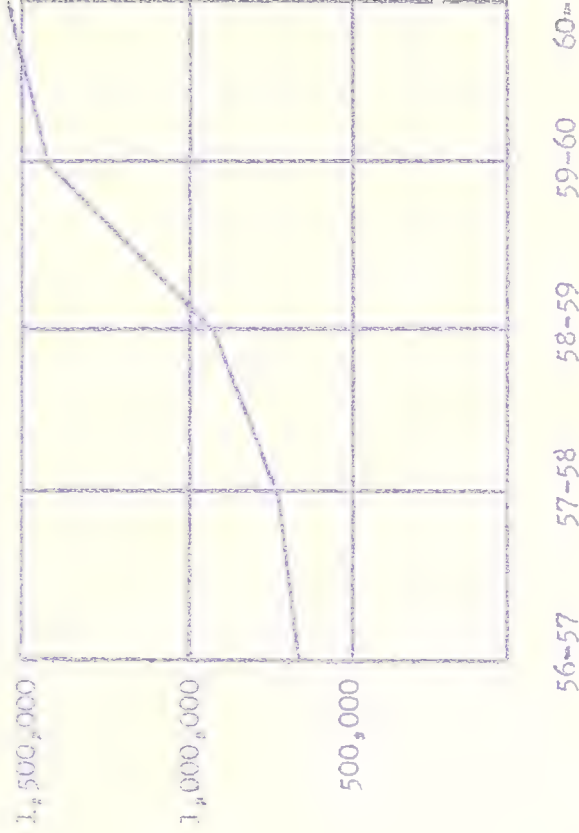
\* Does not include thousands of diazo print individuals using the equipment.





The Film Library has increased in educational film uses - commercial theatres have dropped in attendance. The increase in volume of A-V uses is due to improved booking and inspection methods.

MOTION PICTURE ATTENDANCE - UM FILMS



MOTION PICTURE SHOWINGS - UM FILMS



BOARDING HALLS

December 18, 1961



ANNUAL REPORT

HOODING WALKS

1. <u>APPROPRIATIONS</u>	39-00	42-00	41-00
	927,330.	1,041,000.	91,390,000.
	(03-13)	(10 Months)	(12 Months)

	Sept. '39	Sept. '40	Sept. '41
2. <u>PERSONNEL</u>			
Assistant Baker	4	4	4
Assistant Buzzer	1	1	1
Assistant Pest Utter	1	1	1
Baker	2	3	3
Chef	3	3	3
Cook	9	11	11
Electrician	1	1	1
Printing Room Attendant	4	4	11
Printing Hall Supervisor	4	4	4
Executive Help	1	1	1
Head Clerk	1	1	1
Head Cook	10	9	9
Head Printing Room Attendant	1	1	1
Head Janitor	1	1	1
Housekeeper	1	1	1
Janitor	1	2	2
Junior Clerk	2	2	2
Junior Clerk Stenographer	1	1	1
Kitchen Helper	31	41	41
Manager, Printing Hall	1	1	1
Post Office	1	1	1
Mechanical Handymen	1	1	1
Motor Truck Driver	1	1	2
Storekeeper	1	1	2
Storeroom Helper	1	1	1
	<u>77</u>	<u>99</u>	<u>109</u>

3. LEASE

	Sept. '39	Sept. '40	Sept. '41
	297	3177	3645

4. REPAIRS

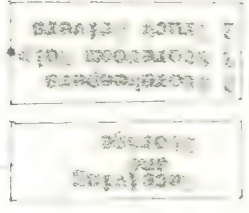
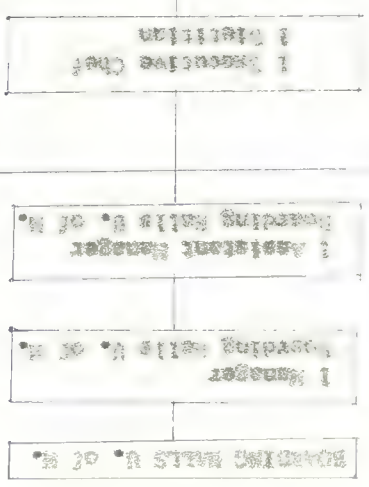
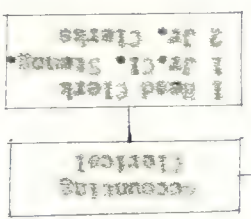
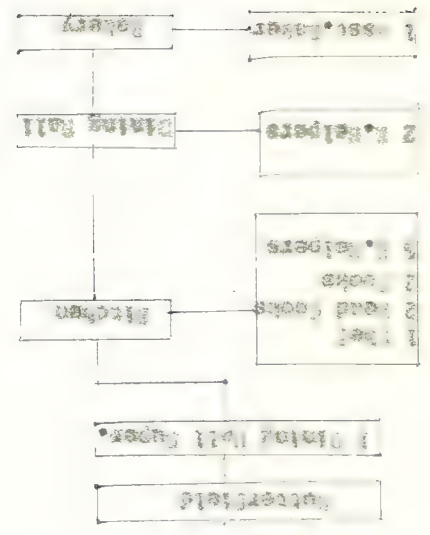
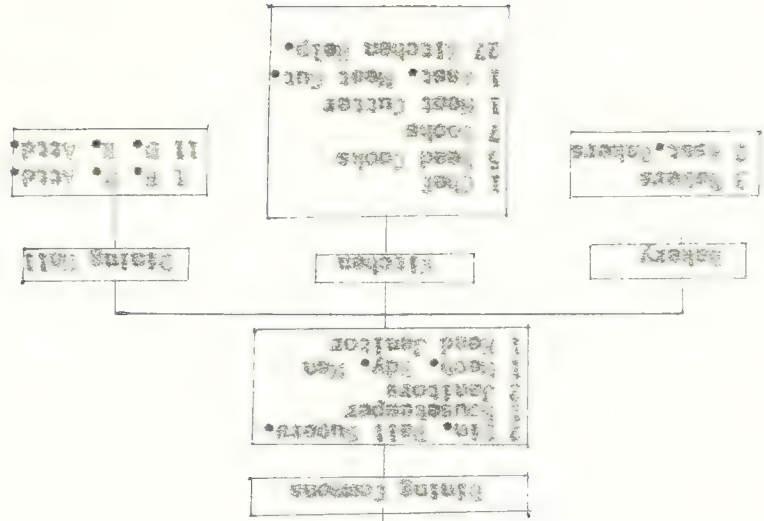
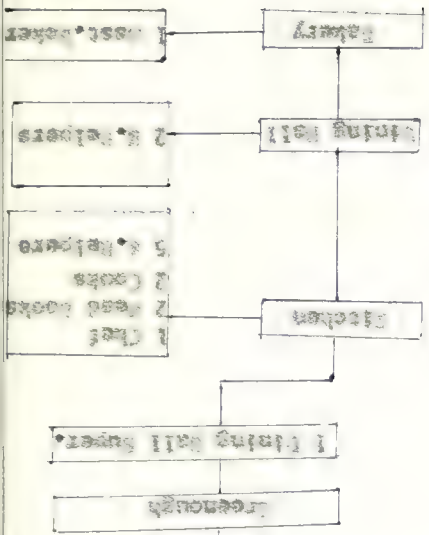




APPROPRIATION FOR BUDGET

	1959-60	1960-61	1961-62
01		320000.00	425000.00
02			
03	40000.00	38000.00	42000.00
04	466650.00	468000.00	515000.00
06	16000.00	25000.00	27500.00
10	50.00	500.00	500.00
11	200.00	250.00	250.00
12	2000.00	5000.00	5000.00
14	300.00	1000.00	1000.00
15	2000.00	5000.00	5000.00
16		120000.00	130000.00
18		60000.00	65000.00
19		<u>9210.00</u>	<u>33750.00</u>
	527200.00	1051960.00	1250000.00







## ANNUAL REPORT

### STUDENT LINES

7. The new section of the Dining Commons opened in September 1961, which provided 600 additional seating capacity. This enabled us to close the temporary line in the old snack bar and concentrate all the feeding on one floor level.

The existing cafeteria lines can easily absorb the 450 additional students anticipated in September 1962. It will be necessary to re-open the old snack bar line in September 1963, but it is expected that we will be able to handle up to 1000 more students with this capacity.

It is assumed that there will be additional dining facilities available in September 1964 to consist of 800 seating capacity. Under these conditions it would be necessary to close the Greenough and Butterfield lines, at least temporarily, in order to cover the overhead costs of the new building. It would be advisable to abandon Butterfield permanently, as the limited capacity is not conducive to economical operation.

The change from State appropriation to trust funds, effective September 1, 1960 has proved very successful. The operation last year was profitable, and by the end of the current year we should have built up a substantial working capital.

If the new building now in the planning stage is built in an economical manner, with due regard for efficiency of operation, and no excessive personnel or food costs occur, it is hoped to recommend a reduction in the student board rate next year.









UNIVERSITY OF MASSACHUSETTS

College of Arts and Sciences

From: Dean of Arts and Sciences      December 18, 1961

To: [Redacted]

Subject: Annual Report: College of Arts and Sciences

It is my pleasure to present this report from the College of Arts and Sciences for the report year October 1, 1960 to September 30, 1961.

This report follows the suggested outline.

- I. In accounts 03 through 15, and including capital outlay, the appropriations have been:

[Redacted]	[Redacted]	\$148,500
[Redacted]	[Redacted]	\$112,300
[Redacted]	[Redacted]	\$82,500

II. Personnel:

Number of positions of each rank:

Professor	48	50
Assoc. Professor	38 1/2	41
Asst. Professor	69 1/3	86
Instructor	<u>72 1/2</u>	<u>78 5/6</u>
Total	228 1/3	255 5/6



At the end of the current report period these positions were distributed among the divisions as shown.

	Assoc.	Asst.
Fine Arts	4	3
Humanities	17	15
Social Sciences	16	8
Biological Sciences	12	7
Physical Sciences	10	8
Mathematics	<u>1</u>	<u>6</u>
Total	60	47
		5
	29 1/6	8
	7 1/4	4
	20 1/6	20
	<u>8 2/3</u>	<u>9</u>
	77 1/4	24 2/3
		275 1/4

	Assoc.	Asst.
Fine Arts	4	3
Humanities	13	11
Social Sciences	14 1/2	7
Physical Sciences	8	5
Mathematics	<u>1</u>	<u>3</u>
		5
	16 1/2	8
	19	55
	16 1/2	55
	18	10
	45	42
	<u>10</u>	<u>14</u>
		75
		<u>20</u>

The discrepancies between the corresponding figures in these two tables are due to the use of the higher rank of the persons at the legal salary, from the use of split positions to provide teaching





During the report period

Leaves of absence were granted to 13 faculty members

Sabbaticals were granted to 12 faculty members

Resignations were received from 11 faculty members

Deaths were reported to 22 faculty members

Tenure was granted to 11 faculty members

Merit increases were awarded to 5 faculty members.

### III.

Throughout most of the remainder of this report, summaries will be presented by academic divisions within the College, represented as

Fine Arts, the departments of Art, Music, and Speech.

Philosophy, and Romance Languages.

Social Sciences, consisting of the four departments of Political Science, Government, Psychology, and Sociology.

Physical Sciences, consisting of the three departments of Chemistry, Physics, and Zoology.

Mathematics, consisting of the three departments of Chemistry, Geology, and Geography.

Mathematics is deemed to be unadaptable to the preceding divisions.

There is no administrative recognition of these divisions except in the reports to the Board of Trustees. The attached reports provide further information from the several departments.



The growth of the College is reflected by the increase of students, both undergraduate and graduate, and by the increase in the number of students taught, as measured by the number of course registrations.

<u>Major Students (September)</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>
Undergraduate	2,472	2,814	3,110
Graduate	60	34	41
<u>Total Registrations</u>	<u>2,532</u>	<u>2,848</u>	<u>3,151</u>
Undergraduate	19,894	21,576	23,548
Graduate	890	1,009	1,206

During the report year, the breakdown of these students and course registrations was as follows:

	No. of Students		Total Registrations		U./G.	
	<u>Undergrad.</u>	<u>Grad.</u>	<u>Undergrad.</u>	<u>Grad.</u>	<u>Undergrad.</u>	<u>Ratio %</u>
Fine Arts	98	5	1815	12		.6
Humanities	957	160	9377	241		2.6
Social Sciences	664	153	4333	452		10.4
Biological Sciences	510	81	2062	169		8.2
Physical Sciences	315	69	4914	215		4.5
4-College Astronomy	7	0	128	0		0

The above ratios clearly show the differences in the registration ratios in the various divisions.

Another fact of interest is that five departments account for 56.5% of the

Astronomy	16.3%
Physics	14.8%
Chemistry	9.8%
Biological	8.2%
Chemistry	6.7%



1960 and 1961. The following table shows the enrollment figures released by Mr. Skillings, November 13, 1961, for the current semester reveal that the undergraduate course enrollment of 23,226 for the College of Arts and Sciences is 79.4% of the University total of 29,264 despite the fact that 55% of the undergraduate students are enrolled in this College.

According to the same undergraduate registers for the College of Arts and Sciences registers for 5 courses in the College, 40% of the total undergraduate enrollment in this College are students who graduated from other colleges.

The degrees awarded by the various divisions reflect much the same circumstances as the student enrollments.

	<u>B.A.</u>	<u>B.S.</u>	<u>M.A.</u>	<u>M.S.</u>	<u>Ph.D.</u>
Fine Arts	17		1		
Humanities	133		21		
Social Sciences	78		2	9	2
Biological Sciences	14	23	7	9	1*
Physical Sciences		45		5	3*
Mathematics		85		5	

\* One Four College Ph.D. is included in each subheading.









In the Humanities Division the German Department published 8 scholarly papers, *Journal of the History of Ideas*, and two of *Public Opinion*, which are a good record. The one long paper from Philosophy constitutes an adequate output for such a small department.

Only moderate significance can be attached to the Book Reviews column of the preceding chart, since it seems certain that Science and Mathematics departments did not bother to list them. Apparently, book reviews are considered as significant publications by the Social Sciences and by the Humanities but not by the Science and Mathematics departments.

Although most RSC work in Music does not fit into the categories in the preceding chart, it should be noted that one member of the Music Department has made his composition selected for inclusion in three different concerts during the past year. Furthermore, several members of the English Department have published within their own departments several collections of their poems.

In the sciences, the departments of Chemistry, Physics, and Biology, the Fine Arts, the Humanities, and Mathematics, have published articles in the Physical, Biological, and Social Sciences.

## B. Research Projects

One measure of the research activity in the College of Arts and Sciences is the extent of financial support or, what is perhaps more appropriate,

We present the following summary of research grants and contracts in effect for all or part of the report period. These figures include grants from the Research Council of this University.



Research Grants and Contracts.

Continuation of Table 1111		New During the Year		Total	No. of Grant Holders
No. of Grants	Value	Expended during report period	No. of Grants		
Humanities	8	\$ 13,240	16	\$ 16,705	16
Soc. Sci.	20	192,334	11	82,469	16
Bio. Sci.	20	239,575	15	138,288	20
Phys. Sci.	19	223,253	22	284,024	18
Mathematics	2	7,391			2
Fine Arts			1	221	1
Totals	69	\$675,793	65	\$521,707	73
4-Col. Astr.	2	\$16,350	3	\$70,381	3

These figures emphasize the fact that research is a major activity of the College. The total value in support of research during the year which \$477,359 was expended during the report period included salaries and equipment.

I am pleased to note the large number of new grants for the current report period.

Probably at least \$300,000 of the above expenditures was for equipment and supplies. Only about \$100,000 was for salaries and other personnel allocated to this College.

The total value of research grants for the year 1966-67 was \$675,793. Of this amount \$477,359 was expended during the report period for salaries and other personnel in the Humanities and in the Fine Arts plus \$16,350 for 4-Col. Astr. and \$70,381 for other departments. The amount of \$182,064 was spent to supplement their salaries.



C. Other Professional Activity of the Faculty.

(1) Foreign Travel. The indicated members of the faculty visited about a dozen foreign countries for the purpose indicated;

L. W. Youngberg (Zoology) --- Visited Switzerland and France on Protozoology in Prague, Czechoslovakia and presented invited lectures in Poland and in Israel.

W. E. Nutting (Zoology) --- Visited Hawaii in connection with his work as a High School teacher at the University of California, Stanford.

D. P. Corbin (Chemistry) --- Spent the summer of 1951 in Mainz, Germany.

F. U. Smith (Zoology) --- Member of U. S. Association of International Quaternary Association Congress

R. Schuster (Botany) --- Fulbright award for research in

B. R. Morris (Economics) --- Research at Gadjah Mada U in Indonesia.

L. M. (C. C. Morris) --- Visited France and Spain on grant at University of Saigon,

L. M. (C. C. Morris) --- Visited France and Spain on grant at University of Saigon in Spain.

P. Jaeger, A. V. Ebersole, J. Stein, J. E. Harvey, and A. Franchin --- Spent time during the summer in France and Spain.

D. R. Clark (English) --- Fulbright award for research in

F. C. Ellert (German) --- Spent part of year in Austria.





(2) Editorships.

B. M. Hopkins (Zoology) --- Member of Editorial Board of Journal of Parasitology.

A. S. Cross (Physiology) --- Associate Editor of Physiological Journal.

S. Kaplan (English) --- Managing Editor of Massachusetts Review.

T. W. Copeland (English) --- Editor-in-chief of what will be an 8-volume collection of private papers of Burke (sponsored by Cambridge University).

F. C. Ellert (German) --- Associate Editor of Massachusetts Review.

A. V. Ebersole (Romance Languages) --- Editor of Hispanofila.

/ A. E. Niedeck (Speech) --- Editor of Player's Magazine.

(3) Miscellaneous.

College (Romance Languages) as Editor of Journal of Romance Studies of Honor with grade of Chevalier and with Palme Academique.

S. C. Gedding (Romance Languages) is the State Coordinator for

I. Moyer Hunsberger (Dean and Research Professor of Chemistry) is directing a nation-wide study of Chemical Notation Systems for the National Academy of Sciences --- National Research Council. This study is supported financially by the National Science Foundation.

VI. SPECIAL PROJECTS OR PROGRAMS

The biggest step forward since the creation of the College of Arts and Sciences was the allocation of the badly-needed position of Associate Dean. Since September 1, 1961, Dr. R. W. Wagner has been occupying this position. With the help of the Associate Dean, the Dean's office is in the position



of being more nearly able to conduct the daily business of the College, to continually evaluate performance on the individual faculty members, to make adjustments, and to engage in both short-term and long-term planning.

A. Administrative Changes. Significant personnel and administrative changes have occurred in two departments. Dr. Gilbert L. Woodside was promoted from Head of the Zoology Department to Provost. More than any one person he is responsible for leading this department into its present position of prominence. Commonwealth Head Donald Fairbairn, of McGill University, succeeds him as of September, 1962.

As of September, 1961, the old Department of Bacteriology and Public Health was renamed the Department of Microbiology; two members of the old department being transferred to the new Department of Public Health. A search is underway for a new Head of Microbiology, who will be expected to build up a department devoted to the fundamental science of Microbiology. Henceforth, applied bacteriology will be located in the Public Health Department.

The Botany Department is heavily engaged in administering, with Programs for College Teachers, for High School Teachers, and for the University.

Under the current leadership of the Department, a workshop of the American Physiological Society. This department has a notably fine seminar program which has featured many off-campus speakers.

B. Physical Sciences. Dr. I. Moyer Hunsberger was promoted from Head of the Chemistry Department to Dean of the College of Arts and Sciences. As of September, 1962, he will be replaced by Commonwealth Head William E. McEwon of the University of Kansas:

IBM-1620 computer. This fine equipment adds immeasurably to our ability to recruit new, and to retain present, faculty

Chemistry, Geology, and Physics has excellent seminar programs featuring outside speakers. Noteworthy in this connection is the



Field Physics Seminars conducted from October through May in the Physics Department by Professor Abner Shimony of M.I.T.

A four-college cooperative Ph.D. program in Geology has been formulated. (This was accepted by the Graduate Council since the close of the report period.)

Mathematics. Each year this department conducts a Prize Examination for high-school students of mathematics.

Social Sciences. With the approval of the Ph.D. program in Geography, all four social science departments now offer the Ph.D. Even though the Economics Ph.D. program is virtually inactive, the social sciences still have the largest ratio (10.4%) of graduate to undergraduate course registrations. Political Science and Governance each have about 60 graduate students, a number considerably larger than any other department in the University.

The Government department has continued to develop its Ph.D. program. The Non-Western Studies Program sponsored by the Ford Foundation and directed by Professor John S. Harris. Special courses in Indian Politics and in South East Asia were conducted by outstanding visiting professors. Under Ford Foundation sponsorship, Senator Earle Clements is in residence as Distinguished Professor of Public Affairs. The Carnegie Corporation also is continuing its sponsorship of the state Internship program involving cooperation of the Government department with similar departments at Harvard and M.I.T.

In cooperation with the Department of Agricultural Economics, the Sociology Department has initiated a Population Research Institute, which hopefully will form the nucleus of a social science research institute.

The Economics Department, in conjunction with the Pioneer Valley Association, sponsored a meeting dealing with the Industrial Growth of the Pioneer Valley.

Humanities. The German-Russian Department now is offering a full program in the latter program to Harvard. Since the report period, it has devoted to strengthen the Russian program. The appointment of H. J. Weigand as Visiting Professor of German has attracted regional and national attention. Full use of his presence if being taken in connection with planning for a Ph.D. program in German.



The Philosophy Department is participating in a Four-College

The English Department is making a tentative survey of the possibilities for offering a Ph.D. program. (Since the close of the report period, Professor Howard O. Brogan of Bowling Green State University has been appointed Commonwealth Head of the English Department, as of September, 1962.

The Romance Languages Department has sponsored appearances of several noteworthy speakers, as well as an appearance of Théâtre du Vieux-Colombier in a performance of Molière's LE COLE DES FEMMES. This department publishes the BAY STATE F. L. Bulletin, which reaches every foreign language teacher at all levels in the state and which also goes to the other 49 states, Canada, and largest subscription list of any journal in its field.

The History Department is planning for the introduction of a Ph.D.

Fine Arts, The Speech Department has planned a complete curriculum in the Speech and Hearing Clinic now has a clinical assistant, and R. U. K. and conducted a reading of a play in the Speech and Hearing Clinic now has a clinical assistant.

#### QUARTER WORK. As of the end of this report period, 16 of our 20

Like so many of its counterparts in the lesser-known Land-Grant Colleges, this College has lagged particularly in the introduction of Ph.D. work in the Humanities. In an effort to correct this intolerable situation, the Departments of English, German, and History are making tentative plans for Ph.D. work. In a stimulating address at the recent Convocation of the State University of New York at Binghamton, the President of the State University of New York at Binghamton, Dr. J. J. Frawley, stated that the State University of New York at Binghamton is committed to the development of graduate education in the Humanities.





(4) PERSONNEL.

Detailed needs for new (professional) positions to meet needs presented in my memos of December 1 and 13, 1961. I wish only to repeat one sentence from the first of these memos:

IT IS NOT POSSIBLE FOR OUR FACULTY TO TEACH MORE FRESH STUDENTS, TO TEACH MORE OF A GIVEN COURSE, TO RUN MORE NEW PH.D. PROGRAMS, TO DO MORE RESEARCH WORK, AND TO ROUND OUT DEPARTMENTAL OFFERINGS AS LONG AS NEW TEACHING POSITIONS ARE FIGURED ON A 15:1 RATIO AND AS LONG AS ONLY TRIVIAL AMOUNTS OF OS MONEY ARE AVAILABLE FOR FACULTY

(1) This College has a pressing need for new faculty members in a variety of positions that the existing faculty cannot fill. At the present time this College carries between 70 and 80% of the teaching load (as measured by student credit hours) of the entire University even though it has only 43% of the total full-time faculty of the University. Stated in another way, this College is responsible for more than double the combined teaching load of all the rest of the Schools and Colleges in the University. A radical change in University allocations of faculty is sorely needed.

(2) As a result of the allocations in the Faculty of 1961-62, at a much earlier date so that Departments have a better chance to

As a general matter of policy, this College considers it desirable to broaden offerings in non-western studies in order to stress western studies to the virtual exclusion of

The greatest defects of American higher education is its that over 800 million people live in Russia and China alone. ly, the Philosophy department is being encouraged to look for a member in Asian or Oriental philosophy to start work in September, 1963. Plans are underway to offer Portuguese in September, 1962. A staff member competent in the area of South and South East is contemplated for the Government department in September, 1962.

(5) Administrative. The need for an Assistant in the Dean's office was emphasized in last year's report. The Dean and Associate Dean spend



far too much of their time performing work which could be done by such a person. Mrs. J. L. Dowd is eminently qualified for this position and the need to upgrade her position has reached critical proportions.

- (6) The informal breakdown of this College into Divisions of Biological Sciences, Physical Sciences, Mathematics, Medical Sciences, Humanities, and Fine Arts (see Section III of this Report) will have to be formalized in the near future. Since much smaller Schools on this campus have associate deans, it seems reasonable to contemplate Heads for at least one of the above Divisions.

- (7) Department Headships. Funds should be made available for rotating the Department Head (or a professor he may designate) for running the Department during the summer. All department heads should be the summer but only one Department Headship is an "A" position. This is a self-evident situation as far as the other 19 departments are concerned.

The undesirability of giving tenure to persons as Department Heads has become even more apparent during the past year. Present University policy is a departure from common academic practice; if continued, it will greatly hamper the development of this College. (Needless to say, the Dean also should not receive tenure as Dean!)

- (8) Departmental Staff. I wish to repeat the question raised in at least 12 new positions of this type for next year (as detailed in my Budget memo of July 16, 1961). These positions would release the present faculty of unpleasant but essential duties and thereby improve the quality of their work. It is particularly important to have

- (9) The pressing need for 64 new positions for graduate assistants was detailed in my memo of December 1, 1961, to the Provost. The highly impossible without a much larger budget for graduate assistants. the more valuable time of senior faculty thereby being saved for higher-level work.

- (10) Some tenure faculty members of the clinical staff in Psychology still are being supported from NIMH research grants. It is imperative that the University assume the salaries of these persons.



## C. FACILITIES.

- (1) Law Arts Building. A temporary structure for the building should receive high priority. As stated in last year's Report, this building is needed for the educational activities of the Departments of Art, Music, and Speech. The Old Chapel is entirely unsuited to the needs of the Music Department, and the dampness is hard on musical instruments.
- (2) Astronomy Building. A temporary building to house the 20-inch reflecting telescope (donated by Mr. Alton L. Miller) is desperately needed. No competent astronomer can be expected to stay at a University without any observing facilities of its own. This building should receive TOP PRIORITY (see my memo of October 24, 1961, to the Provost).
- (3) Physics Department. Immediate consideration should be given funds for the purchase of a 48-inch reflecting telescope. A building to house this telescope is absolutely necessary (see my memo of October 24, 1961).
- Addition to Bartlett Hall. Immediate consideration should be given to the possibility of adding a new wing to Bartlett Hall. In order to provide office space for new faculty, 3 or 4 classrooms or seminar rooms in Bartlett should be converted into offices by September of 1962. For September, 1963, even more office space will be needed.
- (4) Addition to Machmer Hall. A new wing on Machmer is needed to provide: an auditorium seating 300 students; more office space; Each department presently located in Machmer has stressed the need for more space. This need is particularly urgent if the Placement Office and the offices of the Dean of Students are to be permanently located in Machmer.
- Creation of a new department. The creation of a new department will be supplied in the near future. Suffice it to say that this College presently has no offerings in biophysics and far too limited offerings in biochemistry. I recommend that a new wing be added to Goessmann Laboratory to supply space





for this department and to supply badly-needed additional teaching and research space for the Chemistry Department. If a medical school materializes, the need for a department of biochemistry and biophysics will be even greater than it now is.

#### Requirements:

(1) Chemistry Department - The Chemistry Department is in need of additional space for teaching and research. The department is currently housed in the old building on the east side of the campus. The department is located in Bartlett with

be seriously hampered. Large items include:

#### Plano

Two grand pianos (cost = about \$6,000/each) badly needed. Two of the three pianos presently on hand are in poor condition for ensemble courses also are needed. If the University wants a good

Music. Two grand pianos (cost = about \$6,000/each) badly needed. Two of the three pianos presently on hand are in poor condition

for ensemble courses also are needed. If the University wants a good piano to be absolutely necessary. Undoubtedly our Music department is unique in having so few musical instruments. Furthermore, money is needed to repair musical instruments and record-playing equipment. The

(2)

#### Library in M

to be replaced

for the University in the

and ways. The Psychology department needs much more money and the Botany department badly needs a \$15,000 spectrograph for

has not been as large as similar budgets for single scientific depart



is now being anticipated. We must face this problem realistically. There is no solution except an enormous increase in our 15 budget. The Chemistry Department's entire 1940-41 budget for building and have been insufficient to meet the pressing needs of only one course (Chemistry 43). The \$216,000.00 I have asked for 1952-53 to account for 14.16% of the total budget of the College is a reasonable figure. I have not budgeted ahead of July 1, 1951. The mighty computer boys of Physics and Chemistry will be extremely disappointed if we cannot supply their department with badly needed equipment.

- (6) Repair. The College budget for repair of equipment is not keeping pace with the purchase of new equipment. Many of the large items of new equipment are purchased from grant funds, so certainly the University has the obligation to keep them in repair. Much equipment obtained in the recently completed buildings will deteriorate rapidly with the usual quality found in repair.

- (7) Maintenance. The new system of assigning men to each building is a big improvement over the old method. However, the small maintenance budget is needed so that requests for small maintenance jobs can be handled immediately.

- (8) Travel. I believe the need for increased funds for travel for visiting speakers and for books and journals for the library is so well-known that it requires no additional mention.

### Faculty Department

- (9) Geography. Our geographer presently is attached to the Geology Department. We are conducting an analysis of our long-range needs in Geography.

- (10) Music. We have insisted that the activities of the Music faculty in extracurricular music functions be sharply reduced, at least in Music curriculum has attracted a reasonable number of men

in the area. out depending on faculty help from the other colleges in the area.

(11) Astronomy. The Four-College Astronomy Department is unique in this country and is looked upon with great favor by the foundations. With



10.

(5) Physics. An evaluation of the Physics department is being undertaken in order to make the best possible plans for utilization of the new addition to Hasbrouck Laboratory.

(6) Chemistry. This department is to be held in its present staff strength. Whether this invigoration can be accomplished under the present Head is highly doubtful.

(7) Journalism (Journalism translated to English). In general we do not recommend of the Journalism Consulting Committee, but we recommend that additional staff members be added gradually--starting with one next year. We believe a Headship position for Journalism is unnecessary until the faculty numbers about 5. In the meantime, one member of the Journalism staff should be given administrative responsibility for Journalism, and this person should not be Mr. Musgrave.

8. Attendants for Departmental Libraries. The need of having, departmental or interdepartmental libraries cannot be questioned in a University context. However, the of some of these libraries is chaotic. It seems self-supervision of the Main Library. An adequate budget is

9. Departmental Libraries

The tremendous challenge offered by my present position is both to participate in building a College of Arts and Sciences of a caliber equal to or better than any in the country. I am fortified by the possibility that funds beyond my control are available to increase the quality of our offerings while simultaneously increase their quantity. A prerequisite to our progress toward excellence is greater freedom will permit us to make far better use of dollar spent, but many more dollars must be available to progress toward excellence is not to stop at medi-

order to keep the most highly qualified men faculty and to recruit still better faculty, a improved, particularly at the higher ranks.

*A. J. Mayer*  
A. J. Mayer  
i. Moyer Hunsberger



School of Business Administration  
University of Massachusetts

Prologue

"We are not yet a great university, but we have every right to aspire to greatness, and we have the dependent determination to try to achieve it." (President John W. Lederle in his inaugural address as fifteenth President of the University of Massachusetts)

The School of Business Administration, as one of the Schools in the University of Massachusetts, is heretofore the effort to make the statement come true as fully as that is possible. Both the School and the University have within them outstanding faculty members, fully the equal of many faculty in the better known universities. This, however, is no great consolation for us. Too often we lose these people and too often the other call of other universities creates fonder, and more profitable, work. What we can master, I realize that we are working on many fronts to change our competitive situation.

1. By the diligent searching for excellent faculty members.
2. By the construction of classroom and office buildings containing the best equipment we can get considering our problems with the Division of Building Construction and the Bureau of Purchasing.
3. By the great efforts to free the University from restrictive State Controls over the most vital decision areas of the educational program.
4. By a conscious plan to appoint good administrators capable of designing a modern university.
5. Establishing an atmosphere on the campus for excellent teaching, outstanding research and devoted public service.

These are the broad frontiers for our effort. The School of Business Administration will do what it can to help. Finally, if one is really, one might conclude that it is not possible for everyone in a University to





be excellent. No organization is made up wholly of geniuses nor even entirety of people of outstanding talent. We should believe that we wish by substantially increasing the number of outstanding faculty and administrators by increasing the number of the very good and by raising the standards of the good. We should, if we avoid it, have no one back in poor. Such a university could "hold up its head" anywhere and at any time.

Achieving this kind of a university and this kind of a school remains our problem. The achievement is intimately related to university administration support and to the School's ability to make hard decisions when promotion and tenure are being considered. The transition from a small agricultural college to a university itself produces many issues and difficult problems. Any transition from an average standard to a higher one involves personal tensions of a high order, recognized by doctors and university administrators alike. The constant pressure placed upon a faculty to "produce" to play a part on campus committees, to engage in many outside "programs," to be active in civic affairs, to be excellent in teaching and in research will not bother the highly motivated faculty member with a tremendous amount of energy and drive, but the pressures take their toll of those less motivated, less capable or standing the pace and less able of ever reaching "excellence." A deep problem of human relations arises in those cases of average but hard working, conscientious members of a faculty. When universities appear to reserve its prizes to its "stars" then the lesser players may or may not support the "stars." This constitutes a "loss" even in the great universities. I presume that we should take this kind of a risk. In our case the transition period is likely to take longer because we are still struggling with centralized State controls. And this struggle diverts much energy away from the trend to greatness.



Some Facts and Figures:

Department Name	1959	1960	1961	1962
03	\$6700	\$7200	\$8700	
10	800	900	1500	
12	300	500	500	
13	1000	1300	2000	
14	1500	1500	1500	
15	1500	1000	500(See below)	
16			300	

The Chairmen of each of the four departments are compensated from 03 Funds. Originally the per cent varied according to size of each department (between 12% and 15% of the basic salary). Beginning with September, 1961, the per cent of each Chairman's basic salary has been fixed at 12%. This is the differential of Heads of Department under the classified salary system, although this latter per cent is based on an academic and not a longer period of legal obligation.

It is my hope that the issue of Chairmanship can be settled before

September, 1961. Should we attain greater freedom over our internal organizational structure the problem can be easily solved.

Faculty and Assistants	As of September	
	1959	1961
Professors	2	4 *
Associate Professors	8	9
Assistant Professors	4	6
Instructors	4	3 **
Graduate Assistants	3	6

\* Includes Professor Ludtke, who is on Sabbatical Leave at M.I.T. and Visiting Lecturer (Professor) Surrey.

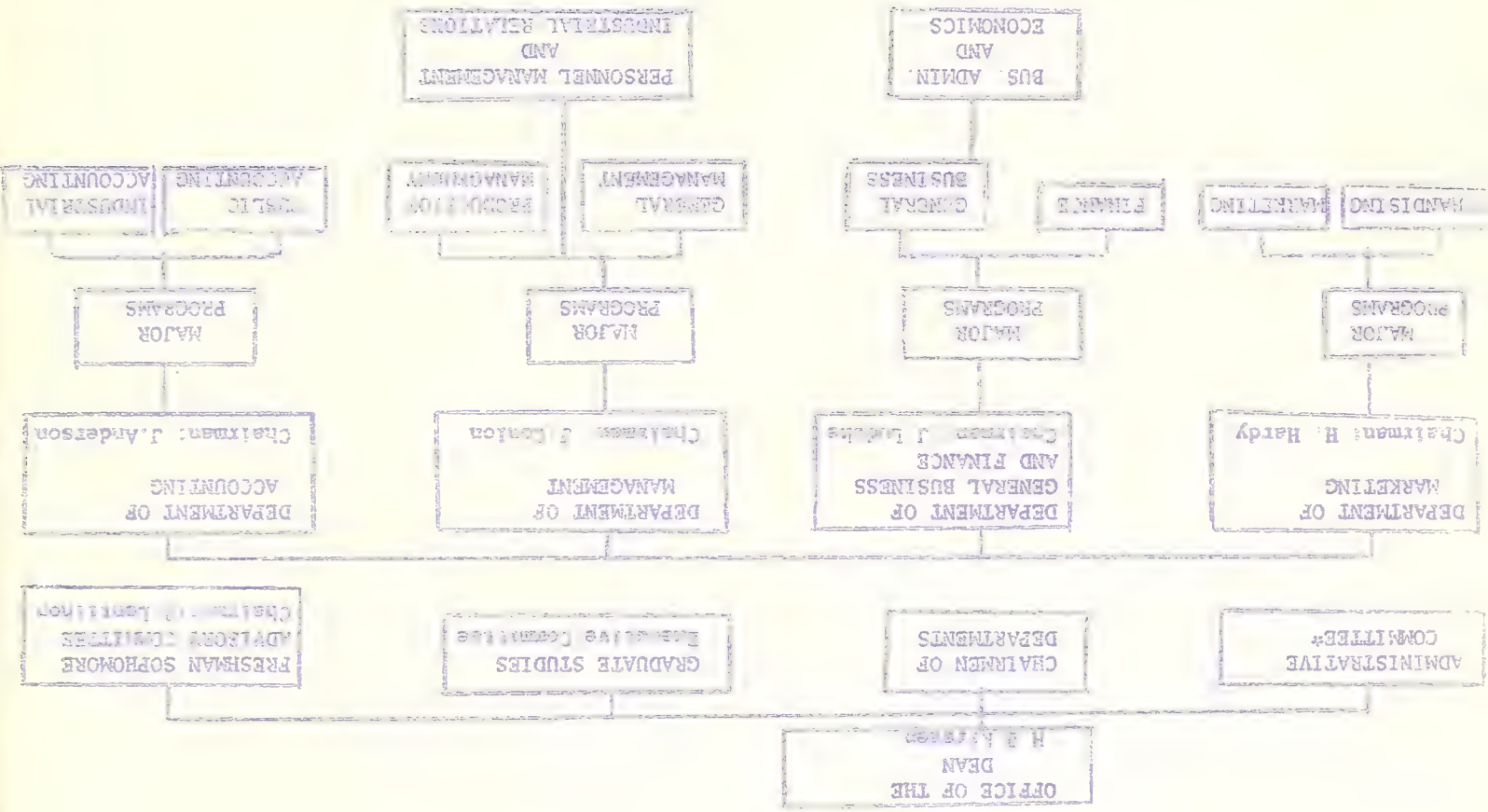
\*\* Includes Mr. Elkins, who is on leave at Indiana University.

Note: \$900 has been added, December 1961.



SCHOOL OF BUSINESS ADMINISTRATION

\* Includes the Dean, and Department Chairman.







4. Students

	As of September	
	1960	1961
Accounting	50	68
General Business and Finance	79	55
Management	88	75
Marketing	51	44
Freshmen *	107	134
Sophomores *	113	130
Graduate Students	11	9
On the Campus	56	52
The Parkersfield Program	559	530
Total major students on campus	615	582
Total students (majors & Parkersfield)	1321	1283
Total students taught on campus		

\* Students in the School of Business Administration select their major departments in the second half of their sophomore year. Until

then they are under the jurisdiction of the Freshman-Sophomore Advisory Committee. The Chairman of this Committee is responsible to the Dean.

As I have mentioned in my previous annual reports, our enrollment generally rises during the spring semester. Although some from our School leave the University or transfer to other Schools and Colleges on the campus, we have a net gain when the transfers are completed from other Schools in the University.

Enrollment over the country has not increased significantly for Schools of Business administration except enrollment in graduate work. I believe the limit of the "tapering off" will be reached in about five years. The same factors that have diminished Engineering enrollment have operated with us. But we have an added factor: recovering from very strong attacks on our Schools by those who feel that we "down grade" our educational program and provide a haven for poor quality faculty members (and possibly Dean too).



The brush of the criticism has been broad and the charges sweeping. The net result has been good for the Schools that always wished to improve but bad for enrollment. I would add to this also the fact that Schools of Business Administration developed too rapidly after World War II.

The great rush to science and the hoped for rush to Engineering will also taper off. You cannot have an economy running at high speed or one requiring great productivity for defense purposes and ignore Business Administration under whatever name might be used to "dress it up." A sensible Economist would know that in the allocation of resources and manpower the skills and knowledge for management and administration of business or government enterprise require Business Administration. Research people can not run businesses, at least, not while in the laboratory. Now people including students are allocated among the thousands of occupations and professions and businesses is not decided by the universities and colleges themselves except indirectly. Such choices are made by the individuals concerned. We have not yet come to the view that there should be an overall government policy on such choices.

I am less worried about enrollment in the future than I am in the quality of our own student body. To date our flunk rate is higher than that of the University. A rise in our freshmen numbers does not mean an increase we can rely on. One quarter of our class of 1964 failed. Many of those were out of college standard when admitted. To a certain extent it is a terrible waste to admit students who are more likely to fail than stay with us. I am not speaking of "border-line cases." Schools of Business Administration have been criticized for having students of lower qualifications but I hope



it is understood that we do not admit them. This is the job of the central office. Furthermore, we do not even teach them until they are sophomores and for these students we teach only one course: Accounting. As a result, our students are pretty well screened in the first two years so that most of our teaching is for those that survive. This would be a very good thing except we do not have enough good students. We have too many closer to the average than above it.

We have raised our standards for graduation from our School by requiring our students, beginning with the class of 1964, to have a 2.0 average in their "core" courses (Accounting, Statistics, Business Law, Financial Institutions, Principles of Marketing and Principles of Management). It is too soon to guess what might happen. I suspect we shall have a number of "transfers." Over the long run, however, it is essential to dispel any thought that might exist on this campus or elsewhere that the School of Business Administration is an "easy place" to get a degree. I have been convinced for a long time that the large majority of students in this University are quite capable of doing much better than they do, that our minimum average for graduation is far too low and that our current worry about flunk-outs will pass when a tradition for better work is established among us. This is not to say that there cannot be numerous cases of unjust faculty grading. In general, however, it is impossible to prove any concerted faculty conspiracy to down grade students that deserve better treatment.

While discussing this problem of minimum average for staying, either in a School or a University, I wish to add my voice to those that feel it is about time we had a "probation" system as a warning to poor students.

##### 5. Faculty Activity

I can truly say that this past year has been one of our best, if not our best, in the diligence and "productivity" of our faculty. Standards can be raised





when a faculty has a large hand in producing that result and the basic function of a Dean is to encourage and promote that part of a faculty that wishes to probe into new areas of scholarship and teaching. These members have an impact on those less willing or less able to keep ever fresh and vital in their fields and in their teaching.

Last year our faculty voted to form a Faculty Advisory Committee on Research. Membership on this committee was purely voluntary. I merely selected the Chairman, Dr. Pao Cheng. This group has sponsored Colloquia on the campus

1. "Quantitative Approach to Business and Economic Research, What is left of the Qualitative," by Dean Kirshen
2. "A Symposium on Interdisciplinary Research" participants: Professors O'Donnell (Business Administration), Schoeffler (Economics), Skute (Philosophy), Teichmar (Psychology), Yablonsky (Sociology) and Agarwal (Engineering).
3. "A Syncretic Approach to Business Research" by Professor O'Donnell.
4. "Computer Simulation as a Methodology in Business Research and Teaching" by Professor Cheng.
5. "Mutual Funds from a Bayers Viewpoint" by Visiting Lecturer Surrey.
6. "Problems of Methodology in Business and Economic Research" by Professor O'Donnell.

In addition to the establishment of Business Administration Colloquia the Research Committee has been active in seeking funds for research and in building up our library in many fields.

The Committee has recently organized a Mathematics and Statistics Seminar for those on our faculty who wish to participate. The Seminar will begin next September and last for the entire academic year. Professors Cheng and Ludtke will be the Directors. So far about seventy per cent of our faculty has indicated interest in this proposal.





I shall now indicate faculty activity by the separate departments.

#### Department of Accounting

Assistant Professors Fitzgerald and Krzyzstofik received Masters degrees (Economics) from the University of Connecticut last June, 1961. Professor Krzyzstofik is a CPA and Fitzgerald will sit for his CPA examinations next spring.

The Chairman of the Department, Associate Professor Anderson and Associate Professor Leighton completed a Handbook in Accounting Problems this past summer. A publisher is actively interested in the Handbook, now being used in monographs form in our Elementary Account and Finance. Both men are also writing a text in Accounting and have submitted a few chapters to a publisher. In addition, both men are CPAs and are called frequently as consultants on income taxation and auditing. Professor Anderson was invited and attended a two-day conference on "Government Accounting held at Washington, D. C. in November, 1961.

Associate Professor Singer was invited to attend the 1961 Summer Visiting Professors Case Method Program at the Harvard Graduate School of Business Administration. His article "Accounting is a Matter of Control" will be published soon in the Journal of Accountancy. He has submitted an article to the Accounting Review. Professor Singer has aided us materially in our development of a graduate program. In October, 1961 he participated on a program during the meetings of the North-eastern Accounting Association.

For the third time Assistant Professor Donald Stanhope was asked to edit the Accounting Standards for the national CPA examinations. Generally he spends some time during summers and vacation periods in New York City. The invitation to do this is considered an honor among members of his profession.

#### Department of General Business and Finance

Professor Luttkie is on Sabbatical Leave at MIT on a Sloan Fellow-ship. He has been reappointed as Chairman of the Department for a five year term and will return to the campus in September, 1962. Currently he is studying Mathematics and Statistics as related to Business Administration. During the summer of 1961 he studied similar fields at both Harvard and MIT under a Ford Foundation grant. His text on The General Financial System was published by Allyn and Bacon this year and has been adopted, so far, by 16 colleges and universities throughout the country.

Associate Professor Kyler is Acting Chairman of the Department. He is diligently pursuing a project on income taxation among various countries of the world. His aim is to establish a course in this area and write a number of monographs. He attended a Forum on Finance last summer sponsored by the American Stock Exchange and other financial institutions.



Associate Professor Pao Chang was invited to attend a Ford Foundation Seminar on Computers at Carnegie Institute of Technology during the summer, 1961. He has recently been invited to attend a similar Seminar at the University of Michigan next summer, 1962. He is directing a research project on "Mutual Banks and their Financial Position" for the Pittsfield Savings Bank under a grant of funds made available to our School last summer. Professors Surrey, Conlon and Burak are participating in the research project. An article "Portfolio Selection and Re-Investment Rates" has been accepted by Management Science for publication in the near future. Articles on other financial subjects have been submitted to various scholarly journals. With a collector, Mr. L. Lempert (of Statistical Indicator Associates) he is writing a book on "Economic Indicators and Company Forecasting." Another joint project, with the support of University Research Funds, is "Computer Simulation of an American Industry" Cheng, Conlon (Management), Singer (Accounting) and Schoeffler (Economics).

Assistant Professor Burak is writing his thesis for his Ph.D (Clark University) in Economics. As stated he is participating in the research project on Mutual Savings Banks.

Associate Professor Rivers is a member of the Springfield Traffic Club and Chairman of the Program Committee of Delta Nu Alpha (a transportation organization.) He is revising an article on "Urban Transportation" for the University of Illinois Quarterly Review of Economics and Business.

Visiting Lecturer (Professor) Suresy is extremely active and has been invaluable as a member of our faculty. He is doing research on "The Economics of Legal Discrimination - A Study of the Legal Environment of Mutual Savings Banks." He is a co-author of a Case Book in Life Insurance under a grant of the American Risk and Insurance Association. The book should be published soon. Two other works are in progress: "Modified Case Method Syllabus for use in Corporation Finance" and "Situation Buying of Equities."

#### C. Department of Management

Associate Professor John Conlon, Chairman of the Department of Management, was a Consultant, during collective bargaining negotiations, for the Springfield Newspaper Employees Association. In cooperation with Professors Cheng, Schoeffler (Economics) and Singer, he is conducting research on the simulation of a business decision-making case. He is active as Assistant to the Dean.

Instructor Elkins is on leave of absence, without pay, working on his DRA at Indiana University. He is not likely to return until September, 1963.

TO THE DIRECTOR, FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

RE: [Illegible]

[Illegible]

[Illegible]

[Illegible]

Very truly yours,  
[Illegible]



-11-

Instructor Thurlio Johnson, appointed in September, 1961, is very active on the Advisory Committee on Research. He brings to us 30 years of business experience and is doing a good job "getting the feel" of an academic environment.

Professor O'Donnell served during the summer, 1961, as Consultant in Management to the University of Puerto Rico in the development of their graduate program. As Chairman of the newly established College of Philosophy of the Institute of Management Science, he gave a paper at Brussels, Belgium in August, 1961. He has been very active in this Institute and was the leading member that established the "College." He will be on sabbatical leave during the academic year, 1962-1963. As indicated previously he has been a frequent participant in our School of Business Administration Colloquia.

Associate Professor Lawrence Mackinnack resigned in June, 1961, to become Head of the Department of Management at Northern Illinois University.

d. Department of Marketing

Professor Hardy, Chairman of the Department, is co-author of a training manual prepared by the International Sales Training Institute. This is to be published fairly soon.

Assistant Professor Drew-Bear organized an outstandingly successful Retailing Conference in the summer, 1961. Retailers from all over the country came and were enthusiastic. A few sent grants of money to carry on research in the field of discount merchandising. The Conference was profitable to the Department to the extent that the faculty voted to offer a prize each year to the Marketing student doing the best work. Professor Drew-Bear has been asked to do research (of a service nature) for a merchandising organization. He is active as a consultant for a number of retailing establishments.

Instructor Lawrence Johnson was appointed September, 1961, and is already active in research. He expects to receive his Ph.D degree from Stanford University within a year and a half.

Assistant Professor Edward Zone is writing his thesis for his Ph.D (Department of Economics, University of Massachusetts.) He will be on Sabbatical leave during 1962-1963.

e. The Dean

I have been asked to contribute another article to IL POLITICO, published by the University of Pavia, Italy. My article on "The Ideology of American Labor" was published in September, 1960. I participated on a panel of the New England Association of Deans of Collegiate Schools of Business at our 1961 meetings at Dartmouth College (The Ames Tuck School of Business Administration) and was one of four administrators that was on a panel of the Eastern Association of Deans. The meeting was held at Atlantic City.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for the ability to detect and prevent fraud.

2. The second part of the document outlines the specific requirements for record-keeping, including the need to maintain original documents and to keep copies of all supporting documents. It also discusses the importance of ensuring that records are accessible and retrievable at all times.

3. The third part of the document discusses the consequences of failing to comply with the record-keeping requirements. It notes that failure to maintain accurate records can result in the loss of the ability to defend against claims and may also result in the imposition of penalties.

4. The fourth part of the document discusses the importance of training and education in ensuring compliance with the record-keeping requirements. It notes that all personnel involved in the financial system should be trained in the proper record-keeping procedures.

5. The fifth part of the document discusses the importance of regular audits and reviews in ensuring the accuracy and integrity of the financial records. It notes that audits and reviews should be conducted on a regular basis and should be conducted by independent auditors.

6. The sixth part of the document discusses the importance of maintaining the confidentiality of financial records. It notes that financial records are often sensitive and confidential and should be protected accordingly.



## 6. Special Programs

a. For the fourth time we shall have the Junior Executive Training Program sponsored and financed by The Experiment in International Living, headquarters in Putney, Vermont. Each time we receive from 12-15 young European managers for an intensive six-weeks management training program. The "Experiment" feels satisfied with our program and I know that we have profited greatly, not only in having these young men (once in awhile we have women) but in affording some on our faculty the experience of knowing and teaching them. Professor Coulton is our Coordinator and is responsible, working with me, for drawing up the main outlines of the program and selecting the staff. We have called upon certain members of the Department of Economics to help us.

b. Our MBA Program at Pittsfield is more than holding its own. Six students expect to receive their degrees in February and four more will get theirs next June. These among our faculty that have taught the Pittsfield students have praised the maturity and the quality of the students. This type of thing could be expanded but limited personnel is a present factor. Until we have expanded facilities I think we should do well with what we have and not spread our efforts too thin.

## 7. Future Plans and Needs

a. Our new building, when it is completed by September, 1963, (we hope) will afford us the expanded space and design to accomplish all we would expect of a School of Business Administration. There is no need to comment further. We do not produce excellence or even a high level of performance by merely having a new building. A poor faculty can be in it and a poorly designed organized educational program can flourish. We understand that, but given a modern building with the best equipment, an excellent faculty and an excellent organization can do wonders. I need not belabor the fact that excellent men need (or must invent) excellent facilities. The time is past when the best of 50 years ago can produce what we wish today.

b. First and foremost I place the faculty. We must surround ourselves with an outstanding faculty. My function as a Dean is to get such people (always striving for better salaries, of course), encourage such people to use their best efforts, and to keep open the opportunities to do the best in teaching, in research, and in service. I am convinced that a School needs enough of these faculty members to "spark" those whose objectives seem lower than the best. I am sure that "pressure" can do harm to particular personality and attempting to handle them with humanity and sympathy there can be no substitute for outstanding accomplishment. "Good will" toward those who produce little is no equivalent for professional stature.

1893  
The first of the year was a very dry one  
and the crops were much injured  
by the drought. The wheat was  
very poor and the corn was  
also much injured. The  
cattle and sheep were  
also much injured by the  
drought. The people were  
very poor and many  
died of starvation.

The second of the year was a  
very wet one and the crops  
were much injured by the  
floods. The wheat was  
very poor and the corn was  
also much injured. The  
cattle and sheep were  
also much injured by the  
floods. The people were  
very poor and many  
died of starvation.

The third of the year was a  
very dry one and the crops  
were much injured by the  
drought. The wheat was  
very poor and the corn was  
also much injured. The  
cattle and sheep were  
also much injured by the  
drought. The people were  
very poor and many  
died of starvation.

The fourth of the year was a  
very wet one and the crops  
were much injured by the  
floods. The wheat was  
very poor and the corn was  
also much injured. The  
cattle and sheep were  
also much injured by the  
floods. The people were  
very poor and many  
died of starvation.

It is essential that this School become known among our professional colleagues in this country. This is one reason I have encouraged our men to seek Ford Foundation Seminars. Give papers at meetings, serve on panels, become members of University Committees. . . to be there where decisions are made. This School must not be left out anywhere. I think we are accomplishing our goals "outside." I can see this by the number of inquiries we receive for positions, by the number of applications from prospective graduate students from all over the country. We must build our internal strength so that we can offer a program with conviction and pride. I am not interested in diligently advertising a "weak" School. We are not weak, of course, but we can be a lot better than we are. We cannot be smug. Given the public criticism, Schools of Business Administration cannot be smug anyhow, even the best of them.

It will be no news to anyone that our salary situation must be improved. I am surprised we do so well as we do but I suspect this is because many among our new faculty have a tremendous amount of faith in the future. Some have told me that they know salaries must rise and these faculty members are willing to wait that day, assuming it will not come too late. They are also impressed with the efforts of the President to achieve "Autonomy." This too influences many to stay with us, helping where they can. I shall just offer one illustration about salaries: a young student, who received his MBA with us and who is completing his Ph.D (University of Illinois), took a position with Kent State University as an assistant professor at \$8200. The maximum for an associate professor here is \$9684. My young friend felt chagrined to receive more than many of his professors did here (or almost as much.)

Within the next four years I estimate that we should add at least seven (?) to our faculty. These will come from three sources: slow expansion of our undergraduate program, faster expansion of our graduate program, and establishment of a Bureau of Business and Economic Research.

In keeping with the trends elsewhere many of our faculty wish to pursue research. It is not a question of teaching versus research. It becomes basically one of teaching and research. There will come a time when only a rare few will argue these in the abstract. The real problem then becomes, as it is with teaching, what is the quality of the research? How shall we measure that quality? How shall we weigh it along with other factors that go to make an excellent member of a faculty?





c. We shall have a concrete proposal soon concerning a Bureau of Business (and Economic) Research. Aside from the structure of such a Bureau I do have one principle I emphasize: Research in this School must be tied to teaching. I prefer not to have an independent Bureau. I think it far better to have faculty members associated with the Bureau rather than exclusively with it. Certainly a part time Director would make a good beginning. Also I prefer that the members of our Advisory Committee on Research have a large hand in both its organization and its operation. Ultimately we should have a journal that would not only afford an opportunity for our own faculty but for others throughout the country. Many are being started and there is a distinct trend toward the more scholarly rather than the purely "service type" that failed the mails at one time. I think that this trend goes beyond the intellectual snobbery appeal. As business and personnel become more educated the sophisticated demands decrease. The desire for "basic research" becomes greater. At any rate the trend makes me feel happier about the future of our School as well as the future of our University.

d. The need for an Assistant (or Associate) Dean is already here. Associate Professor Conlon is that for all practical purposes. I am anxious to have the title fit his job. At any rate I am anxious that he be placed on a 12 months basis. I shall not repeat the reasons for this here as they were given to Dr. Woodside. I make the recommendation part of this annual report only to emphasize the need and to indicate both present and future possibilities. Should Professor Conlon be placed upon a 12 months basis then I would select another Chairman for the Department of Management. Administratively, it is not effective or good to have one man in more than one significant position.

e. The expansion of our functions, as well as our staff, has placed tremendous pressures upon our secretarial help. We continue to have fewer secretaries than needed. Two secretaries for four departments carry too great a responsibility. My own secretary must help and we must, in addition, employ student help. So far this year we have been very fortunate to have an experienced wife of one of our graduate students aid us. We use OJ funds for this and I am very much aware of the fact we shall run short sooner than we should, but the work must be done. I think it is not realized too fully that, even if we have fewer faculty members than some large departments, as a School, we have a tremendous number of obligations and functions that go far beyond obligations and functions of a department.



Of course we may be the perfect illustration of "Parkinson's Law." We pile report on report, paper on paper, memo on memo, examination on examination ad infinitum. A friend once referred to the academic profession as the Jaw Bone profession. That jaw bone must be made of paper.

f. I am concerned about our Chairmanships and their legality. Fortunately for me our Chairmen rarely mention the issue so I do not have to keep explaining. It will help a great deal to have this problem of internal organization settled.

Put the problems of Chairmen and their compensation are related to our Trusteeship Bill. The future holds a great deal for us all should a Bill become law -- a Bill that gives us substantially what we need for the University. May it have success. I would like to join anyone in a rousing celebration when we hear good news from the General Court. Should we get a medical school and a law school too I am certain the benefits will shower down upon us all.

Respectfully submitted,



H. B. Kirshen  
Dean





December 1, 1961

President John Ledwith:

Sir, I beg leave herewith to present my sixth annual report of the School of Education.

The School of Education is now entering its sixth year. This is indeed a big year in the history of the School. We have now entered our fine new quarters, with classes for the first time being held both in our college classrooms and in the Laboratory School. Although our furniture has not all arrived and some important equipment is still lacking we can already see considerable progress toward coordination of these two facilities and we are beginning to sense the magnitude of the opportunities that are opening up for the School in the improvement of our programs and in the fields of exploration and research. Truly the School has "come of age". The change has been rapid and adjustments in policy must be implemented rapidly in order to meet it. This is the price of growth and all of us must be prepared to pay the price. I know I speak for a large majority of my staff when I say that they are prepared to meet the challenge eagerly and effectively.

I wish at this time to thank the administration for their continued attention to our needs and to assure our President and our new Provost of our continued loyalty and support.

Albert W. Purvis



### Growing Pains

As a School becomes larger there comes to be more and more need to emphasize broader objectives and to take on new functions. In most Schools this growth is gradual and a gradual adaptation to the new objectives can be made by the staff and by the administration. This has not been the case with the School of Education. Two years ago we were a small School, located in cramped quarters, with a relatively small staff and a small library. During these two years we have entered our fine new building with its unexcelled facilities for improved and enlarged programs and for research, our staff has increased nearly fifty percent even without counting the staff of our Laboratory School and our library with the additional books of this year will have nearly doubled. Two years ago we were concerned largely with our undergraduate program while today the pressure for an expanded graduate program can no longer be ignored. This has been a rapid growth indeed and it has made necessary a very rapid shift in procedures from ones designed for a small school to ones designed for a large School. This change opens up wonderful possibilities for growth on the part of all of us but the growth carries with it the possibilities of growing pains.

The first area of change must necessarily be in the increased emphasis on research and publication. Our emphasis upon the undergraduate program over the years has meant an equal emphasis upon the importance of teaching. This has been good. We have many very good teachers on our staff and their combined efforts have resulted in a very strong undergraduate program. I am convinced that our undergraduate students in both elementary and secondary education receive a teacher education of top quality and I am equally convinced that with the opportunities of our new facilities our programs will become even stronger. We also have the beginnings of a good graduate program but here again the emphasis has been largely upon programs for training specialists where good teaching is the prime necessity. Every effort will be made to see that this fine teaching continues. There is really no place on a School of Education staff for one who is not a good teacher. However, this preoccupation of many of us on teaching our undergraduate and graduate programs has resulted in a very serious imbalance in our School. The function of leadership in the profession as evidenced by research, consultation and publication has been seriously curtailed. This must be corrected and its rapid correction will undoubtedly cause some of the growing pains mentioned above. The staff has been informed that from now on priority in filling



positions, in merit increases and in promotions will go largely to those who are both good teachers and who do some research, publication, or consultation. This is not to be construed as meaning that all staff members are expected to be equally good at everything. It does mean that all staff members are expected to do some research, publication or consultation and that those who are particularly qualified along these lines will be freed from some teaching in order to allow them to put more time on it. Already several staff members have expressed much satisfaction with this changed emphasis since they have been up until now seeking to do some research and writing despite a heavy teaching and committee load.

#### The Committee on Research

Another development along these same lines will be the increased importance of our Committee on Research. This Committee was mentioned in the Annual Report of 1961. Its function is three-fold. First it was asked to draw up regulations for the use of Mark's Meadow School for research purposes. This it has already done and a copy of the regulations is found in the Appendix of this report. Second it has the task of encouraging research and publication among the staff and of aiding staff members to set up research procedures. The Committee recommended as a partial meeting of this function the appointment of a trained researcher to the staff. This has been done and the Committee is now moving in further directions to encourage and to aid staff research. It hopes soon to come up with some projects which will enlist broad patterns of research which might enlist the efforts of several staff members and perhaps enlist inter-school and inter-departmental cooperation. This would mean a better concentration of research and perhaps prevent some of the weakness of "shot gun" fragmentation. It is anticipated that this Committee will play an increasingly important part as we move farther in the large School direction. Soon consideration must be given to the advisability of making the Chairman an Executive Chairman and of freeing him from some teaching duty to perform the multiple tasks.

#### The Laboratory School

The Mark's Meadow School of the School of Education contains twelve





classrooms, a kindergarten room, a general purpose room and a cafeteria. It opened in September, 1961 with a Principal, a teaching staff of twelve, and an enrollment of 321 elementary school pupils. The major purposes of the Laboratory School are (1) to provide a good education for the elementary school pupils (2) to provide observation facilities for the University students preparing to teach in elementary schools and (3) to provide research possibilities for the staff of the School of Education and the Laboratory School. Already considerable progress has been made in achieving all these purposes. The staff of the Laboratory School was carefully selected through the cooperative efforts of the School of Education and the Amherst School Committee. They are fine teachers with a fine attitude of wanting to help in any way they can to improve the education not only of the elementary school pupils under their charge but also of the University students who observe them. Every opportunity is being used to make these teachers feel that they are a definite and important part of our teacher education program. The observation function of the Laboratory School will be very important. An effort was made to restrict our observation during the first eight weeks but we were soon informed by the Laboratory School teachers that they were ready and eager. The pattern is beginning to evolve. The first eight weeks of each semester will be used primarily for University class observation of demonstration lessons and considerable tryout is underway to determine the most efficient method of handling these. The second eight weeks of each semester will be used primarily for individual observation by the freshmen, sophomores, and juniors in elementary education. Plans are now being discussed to determine how best this phase can be developed. The emerging pattern seems to be for the student to observe three, four, or five periods and then to attend a seminar led by one of the Laboratory teachers. This would be repeated three times by each student each year. Needless to say this will involve considerable organization but it looks promising. The staff is also making a study of the possibility of using University juniors as teacher aides in the cafeteria, on the playground, and in preparing instructional materials. This participation would give more personal contact with the elementary pupils and at the same time would be of assistance to the teachers in taking care of some of their routine duties.

The exploration, tryout, and research purpose is already underway. The Committee on Research has already drawn up the framework for evaluation of suggested projects and already several projects, some suggested by Laboratory teachers themselves, are under consideration. Next Summer the



School of Education is trying out a project in Individualized Instruction using elementary school students and plans are being made for further exploration in later Summer Schools.

### The Reading Clinic

In February, 1962 the School of Education will open up its new Reading Clinic. This Clinic will serve the dual purpose of aiding pupils who have reading problems and of training reading specialists for the public schools. Plans are being considered for tying in the Reading Clinic with the Psychological Clinic for referrals of pupils who seem to have psychological difficulties which block their reading and with the Speech Therapy Clinic for referral of pupils whose reading difficulties may be connected with speech problems.

Referrals will be accepted on the elementary level with the pupils of Mark's Meadow School being given first priority. Second priority will be given to pupils from Amherst and from other school systems which accept our student teachers. In the appendix is a copy of the tentative proposals for organizing the clinic together with proposals in connection with diagnosis, remediation and record keeping for elementary pupils.

In February, 1962 the Reading Clinic will accept a pilot group of University students. It is expected that the University Guidance Service will act closely with the Reading Clinic on this level with referrals being made by the University Guidance Counsellor. The best procedure would seem to be for the Guidance Service to do all the screening. They then would refer problem cases to the appropriate Clinic. If any Clinic should suspect that a referral had problems outside their area it would refer the student back to the Guidance Service.

It is hoped also within a year or two to be able to accept referrals from secondary schools. This would enable our graduate students who are training to be reading consultants to have experience with all age students.

Obviously, the Reading Clinic is not going to be able to accept all the referrals that come to it from elementary, secondary, and University levels and some sort of quota may have to be established to conform with the size of the staff in the Clinic. A very real problem presents itself in the financing of the Clinic. Should a fee be charged to cover the cost of materials and the time of the consultant, or should the service be free? We hope it can be free. We expect to add one full time staff member to the



Clinic in September, 1962. After that some of the pressure may be removed by University graduate students in the Reading Consultant program who will be using the Clinic for their practicum. We are also exploring the possibility of using Reading Consultants in neighboring public schools as part time Teaching Associates to work in the Clinic in off hours.

#### The Graduate Program

Before in this report I have made mention of the need of a School of Education to exert leadership in the profession through research, consultation and publication. All of that is closely allied with the problem of how to build up a strong graduate program beyond the Master's degree. It is a generally accepted principle that graduate courses and the need for graduate supervision means that certain members of the staff who are most actively engaged in it must have a lighter teaching load. It is difficult in a time of rapidly increasing undergraduate enrollment to obtain sufficient staff to take care of this increase to say nothing of relieving certain staff members for research and graduate work. Usually one level or the other has to bear the brunt. In many Schools in many Universities the undergraduate program is taught by graduate assistants thus providing the flexibility required to free the staff for graduate work. In its extreme form this practice can be quite harmful. It is true that graduate assistants can be of much help in helping in laboratories, in helping in small discussion groups, in collection and preparation of material and in helping with examinations but the practice of turning freshmen and sophomores over entirely to graduate assistants is questionable. At any rate it does not apply to our School of Education because (1) the School of Education does not teach any freshmen or sophomore courses and (2) professional courses in Teacher Education in the last two years should be taught by the best teachers available because so much of methodology is learned by demonstration and example. It follows, therefore, that any considerable increase in our graduate program can come only from sufficient increase in staff to lower the average teaching load of the School -- a teaching load which already should be relatively low because of the nature of the courses being taught.

The Committee on Graduate Studies is giving consideration to this problem and also to plans for the future. It seems obvious that we must expand our graduate programs beyond the Master's degree. There is no state institution





in Massachusetts offering a Doctorate in Education and in our opinion there is no other state institution with the facilities and resources for so doing. We believe we have the facilities and resources because of the staff in the School of Education and because of the especially strong supporting work in the College of Arts and Sciences.

The chief problem seems to be the direction the program should take. Presently a group of University staff is considering the feasibility of a Doctor of Education for teachers in the secondary schools. This degree would be designed to improve the teaching of secondary school teachers and to keep them in teaching in the secondary schools. The chief problem here seems to be that any major changes in language requirements and in the thesis which might make the degree more functional for teachers might at the same time reduce the prestige of the degree to second rate. Another problem which is being considered is whether the School should introduce the Certificate of Advanced Graduate Standing (6th year) before or along with the Doctorate in Education. Presently the Committee seems to be leaning in the direction of recommending the CAGS for September, 1962 followed by the Doctorate a year or so later.

#### The University Audiovisual Center

The University Audiovisual Center is to be moved to the School of Education and is to be administered by it. Professor Wyman will serve in the dual capacity of Professor of Education and Director of the Audiovisual Center. The Director will prepare a budget with the advice of the AV Council and submit it to the Dean of the School of Education for inclusion in his budget as separate items in each account. The Dean will present the budget to the University Administration. Allocation of funds to the Audiovisual Center will appear on the budget of the School of Education as separate items to be used only by the Audiovisual Center.

The Audiovisual Council will continue to operate as a standing University committee named by the President to:

- a. Guide the activities of the Audiovisual Center
- b. Act as the campus representative in cooperative use of aids, including radio and TV, with off-campus groups
- c. Guide licensed broadcasting activities of the University

The Audiovisual Center will continue and expand the production of custom





made materials for campus classroom instruction with particular emphasis on materials for large group instruction and experimental purposes.

The Center will continue and expand its library of films for use by various campus instructors and off-campus organizations.

The establishment of sub-AV centers in major campus buildings will be encouraged in order to have equipment and responsible help near to the instructors actually using AV materials.

A survey of classroom buildings will be made to determine ways and means for improving the physical conditions for wide and good use of AV materials. It is hoped that the Center will also be involved in new classroom construction for the same purpose.

A study of the television needs of the campus should be undertaken before any further separate installations are made. Central receiving and production facilities and a campus cable system should be investigated and recommendations made.

A small campus vehicle and mechanical handyman-driver should be obtained to transport AV equipment, set it up, operate it, maintain it, etc. The amount and complexity of AV equipment, its increased use in large group instruction, and the distance between buildings, make this expansion necessary.

#### The Uganda Project

In June, 1961 the University and the School of Education were approached by the International Cooperation Administration (I.C.A.) with the request that we enter into contract to send a Survey Team to Uganda, East Africa to look into the feasibility of building for them a girls' boarding school of senior secondary level. The School agreed and a contract was prepared. The Survey Team consisting of myself as Head of Party, of Miss Mary Doris Whyard, Dean of Residence of Northfield School for Girls, and of Mr. Elwyn Doubleday, Principal of the East Longmeadow High School left the United States on July 22 and returned on August 24. The Team travelled rather widely in Uganda talking with school people and with Africans whenever the opportunity arose in order to get as many points of view as possible. Considerable time also was spent in discussions with the Ministry of Education in Uganda and with architects of the Ministry of Works. Visits were paid to the Territorial Governor, to the I.C.A. headquarters in Nairobi, Kenya and to the British Colonial Office in London. Upon our return I made two separate trips to Washington to discuss



details of the project and on November 27-28 the Survey Team travelled to Washington to make its official report.

The recommendations of the Survey Team have been incorporated in written form and a copy has been handed to the President, the Provost, and the Treasurer. The Team recommended that I.C.A. in contract with the University of Massachusetts undertake to build and partially staff a girls' boarding school in Uganda which would be experimental in the following ways (1) it would be interdenominational, interracial, and intertribal. This would indeed be a pilot effort because at present the schools are more or less separate on all three bases (2) it would be comprehensive in curriculum with academic, home economics, business, and general curricula. In view of the specialized nature of the schools in Uganda this too would be experimental. In fact, such a boarding school would be difficult to find in America (3) it would experiment with newer building materials and methods in order to devise a set of buildings which would continue to look good over the years and yet would cost relatively little for upkeep. In all of these the attempt was made to plan a school which would meet the needs of Uganda rather than to be a monument to the United States. The I.C.A. staff showed much interest in our report and requested several more copies which could be sent to other Survey Teams as a sample of the type of comprehensive report which I.C.A. liked to receive. The I.C.A. staff has accepted the entire report and I have been instructed to work on the following:

A. An Amendment to Our Summer Contract

1. To extend said contract till May 30, 1962
2. To include a budget item to bring a Uganda architect to the United States for one month
3. To include a budget item to send a United States architect to Uganda for three months
4. To include a budget item for a half time campus coordinator and a half time secretary to serve until a further contract is developed.
5. To include a budget item for travel and office expenses until a further contract is developed.

B. A New Three Year Contract for supervising the construction, and organizing and partial staffing of a Girls' Secondary Boarding School in Uganda.

Needless to say this is a very large project and one which will entail



much planning and hard work. However, I welcome the opportunity. It will undoubtedly add to the prestige of the School and should serve as an incentive to creative thinking on the part of many of us.

#### Future Plans and Needs

A. It perhaps seems odd after being in our new quarters for only three months that we should be planning an expansion of our building and that the expansion cannot be unduly prolonged. Three new developments were not anticipated when the original plans were drawn up -- the increase in our Remedial Reading Clinic due to the acceptance of referrals from University students, the housing and administration of the University Audiovisual Center, and the Uganda project. Originally we had estimated that our office and classroom space for thirty-five (35) staff members, not counting secretaries, teaching fellows or administration would serve us through the fall of 1966. At present twenty (20) of these office spaces are in use. With the new additions in programs and with anticipated yearly additions to our staff the projected figures would read as follows:

September, 1962	29 office spaces in use
September, 1963	33 office spaces in use
September, 1964	36 office spaces needed

Thus it can be seen that with normal expansion of staff we will run out of office space by September 1964 and if no more space is available we will be in a bad way indeed by September, 1965. Also at that time our classroom space will be inadequate and the normal expansion in the services of the University Audiovisual Center will require more room.

It is hoped that these facts will be considered in connection with the projected capital outlay. In our judgment the timing should be as follows:

For 1963	To plan the addition	\$45,000
For 1964	To build and equip the addition to the School of Education	\$700,000

For September 1965 Entry to new facilities

As originally planned the expansion would be a wing running east and west just south of the present classroom wing in the area now occupied by the white wooden building. The new wing would contain additional offices and classrooms. In addition it would house an expanded and more functional area for the University Audiovisual Center, a more functional Reading Clinic





area, and a better area for Educational Guidance.

B. The original planning for the Mark's Meadow Laboratory School called for the eventual construction of a kindergarten through grade twelve facility. This plan was based on the fact that our secondary education program in terms of the number of students enrolled would be considerably larger than the elementary program and also on the assumption that it is just as important to have observation and research opportunities available in secondary education as in elementary. The original plan, therefore, called for the building of a Junior High School section in 1964 and a Senior High School section in 1967. This plan is now up for re-evaluation by the School. The value of the Laboratory School in the Elementary Education is unquestioned but some staff members in the Secondary Education program are now beginning to wonder if on the secondary level some of the same values could not be derived from the development of a library of video-tapes of actual public school situations which could be used as case studies in our methods classes and for controlled observation and discussion by students. The School wished to add a video-tape recorder to its list of equipment when it moved into its new quarters but the price of nearly sixty thousand dollars seemed prohibitive. Recent developments in this field have now made available a very good recorder, much more mobile than the former ones, at a price of eighteen thousand five hundred dollars. The School now recommends the purchase of such a recorder and a very careful try-out of its possibilities and that the original request for the expansion of the Laboratory School be tabled until such an evaluation can be made. If such a machine is provided the School will need part time use of a University pick-up truck to transport the equipment to the schools where video tape recordings are to be made.



APPENDIX "A"

1. Appropriations

	1958-59	1959-60	1960-61	1961-62
03 03	1000.00	1480.00	2000.00	21700.00
10 10	2000.00	3200.00	3600.00	4900.00
12 12	50.00	75.00	100.00	500.00
13	800.00	3000.00	1900.00	5700.00
14	700.00	1000.00	1000.00	1000.00
15	400.00	1000.00	500.00	500.00
16			300.00	400.00
Library	<u>1000.00</u>	<u>1000.00</u>	<u>1000.00</u>	<u>5000.00</u>
	5950.00	10755.00	10400.00	39700.00

2. Personnel - Teaching

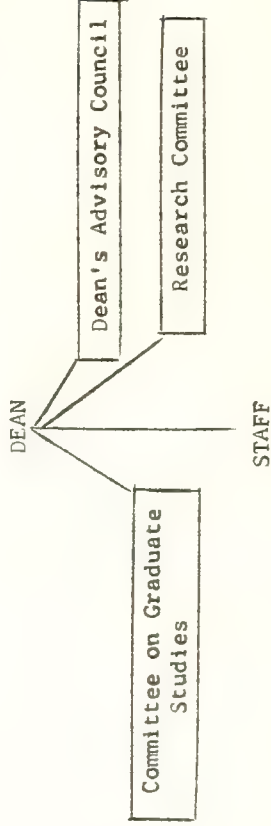
	1958-59	1959-60	1960-61	1961-62
Instructor	1			1
Asst. Professor	5	8	9	11
Assoc. Professor	3	3	3	3
Professor	1	1	2	3
Head, Dean	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
Total	11	13	15	19

Personnel - Other

Elect. Tech.				1
Sr. Clerk-Sten.	1	1	1	1
Jr. Clerk-Sten.	<u>1</u>	<u>1</u>	<u>2</u>	<u>3</u>
Total	2	2	3	5

3. Organization

We do not have any Chairmen or Department Heads as yet.





APPENDIX "A"

4. (a) Number of Majors (Elementary Education)

September, 1958	274
September, 1959	331
September, 1960	397
September, 1961	426

This table is somewhat indicative of the increase in our undergraduate program but it does not tell the complete story because all the secondary school prospective teachers major in their teaching field and so they do not appear in the table. The number of the secondary school trainees has been steadily increasing until now it is considerably larger than the number of elementary. In fact, this summer the incoming freshmen in the College of Arts and Science were asked to indicate if they were interested in secondary school teaching and five hundred thirty gave affirmative answers. Obviously, normal attrition and changes in vocational plans will cut this number considerably but the fact that so many freshmen indicated an intention to teach is a noteworthy phenomenon which indicates the rapidly increasing load on the undergraduate level. The fact that considerably more than one third of our entering freshmen are interested in teaching must not go unnoticed in planning the future of the School.

4. (b)

The table below gives a comparison of enrollment from 1958-1961.

As pointed out last year the drop in the graduate enrollment was due to the new requirement of several courses in the College of Arts and Sciences. This adjustment has now been made and once again a substantial increase in School graduate enrollment is taking place. This is very likely to continue. The increase of nearly one-third in undergraduate enrollment is also noteworthy.



## APPENDIX "A"

Number of Students Taught

	Undergraduate	Graduate	Total
Sept. 1958 1st semester	436	183	619
2nd semester	476	212	688
Total	912	395	1307
Sept. 1959 1st semester	545	225	770
2nd semester	547	189	736
Total	1092	414	1506
Sept. 1960 1st semester	553	197	750
2nd semester	597	198	795
Total	1150	395	1545
Sept. 1961 1st semester	748	239	987
Summer, 1958 1st session	302		
2nd session	222		
Total	524		
Summer, 1959 1st session	314		
2nd session	261		
Total	575		
Summer, 1960 1st session	236		
2nd session	202		
Total	438		
Summer, 1961 1st session	293		
2nd session	212		
Total	505		





APPENDIX "B"

Tentative Principles and Policies  
Concerning the Establishment of the Reading Center,  
School of Education Building, University of Massachusetts

The Purpose of the Reading Center:

1. Service to the child and to the community.
2. Training for the staff and students.
3. Research and publication center for experimentation and study in the fields of developmental and remedial reading.
4. A resource center for methods and materials in the fields of reading.

(For Discussion)

- I. The Reading Center shall exist as a separate unit from the laboratory school, and although a child enrolled there will have "top priority", he must adhere to the same request for service as any other child.
- II. A child's being accepted for diagnosis is not necessarily assured of being accepted for remediation at the center.
- III. The necessary "steps" for admission to the center are:
  1. Upon referral by the school principal, teacher, physician, or other professional person, the parents will request the necessary forms from the Reading Center.
  2. The forms include (a) a parent check list and information sheet, (b) a form for a physician to complete after a recent examination, and (c) a form for the child's teacher to fill out.
  3. After all forms have been completed and returned to the center, the child's name will be placed on the list for scheduling the interviewing and testing.
  4. If any other necessary information is required, the parents, physician, or school may be contacted by a person representing the center.
  5. After all appraisals have been completed, the staff recommendations will be given to the parents and with their written permissions, to the school, physician, etc.
  6. If remediation is recommended, the child's name, upon request of the parents, will be placed on the waiting list for remediation.
- IV. Acceptance into the center is based upon (1) the need of the child, (2) children of the laboratory school, (3) children from the Amherst schools, (4) children outside of Amherst.
- V. The cost of the appraisal service, which is to be paid separately from any remediation fee will be \_\_\_\_\_.
- VI. The diagnostic procedure at the center will include:
  1. A parent interview  
15 min. - 1 hr.
  2. A child interview  
5 - 10 min.
  3. An intelligence test  
1 hr.
  4. Diagnostic reading tests  
1 hr.
  5. A visual Survey  
15 min.
  6. Audiometer  
15 min.



- |  |              |
|--|--------------|
| 7. Harris test of Lateral Dominance                    | 15 min       |
| 8. Any achievement or other tests<br>thought necessary | 15 min.      |
| 9. Estimated diagnostic time                           | 3 - 4 hours. |



## Research in the Laboratory School

The Committee feels that a University School of Education must ultimately justify its existence in terms of its respect for, and contribution to research in professional education. We feel further that it is in a general way our responsibility to encourage and advise faculty members who have problems or questions concerning their proposed research. While the committee is not prepared at this time to present concrete proposals concerning the encouragement and development of research among our faculty, we have carefully considered the problem of the relationship between the School of Education and Mark's Meadow School concerning the use of the school for research purposes.

In the Cooperative Agreement for the Joint Administration of the School of Education Laboratory School at the University of Massachusetts by the University and the Amherst School Committee, the University and the Amherst School Committee have agreed that "...the laboratory school is to be used for study, research, and try-out experience by the School of Education and no other experimentation, studies, or surveys will be undertaken except by permission of the Amherst School Committee and the Dean of the School of Education. The School of Education agrees to inform the Amherst School Committee of any proposed major research projects to be conducted in the Laboratory School and to discuss said proposed projects with the Committee if so requested by its Chairman."

This committee recognizes the obvious research opportunities made possible by the addition of Mark's Meadow School to the educational environment of both the town and the University. The existence of the school and the unique educational role it will play calls also for the recognition of certain basic responsibilities. For example, the children must be protected from undue demands made upon their classroom time. We must protect teachers from unreasonable and unwarranted requests. We must safeguard school records, reports, and test data. In order to encourage the research function of the school and at the same time to effectively guarantee the protection of Amherst school children and their teachers the research committee recommends the following procedures:

1. The research committee should be made a permanent, operating body. Its membership should include the principal of the Mark's Meadow School, the University staff member most directly concerned and responsible for educational research, one University faculty member directly concerned with secondary





education, one University faculty member directly concerned with elementary education, and a fifth University faculty member of senior rank. The latter three committee members should be appointed by the Dean of the School of Education.

2. All research proposals involving Mark's Meadow School, its children, its teachers or its various data and records shall be submitted to the research committee and the Dean of Education for their approval. For our purposes, research shall be defined as

...the carefully planned and systematic investigation of aspects of behavior manifested by children in school activity. Investigations shall be designed so that no child will be subjected to any greater moral, emotional, physical or intellectual strain than that which he would be subjected to in a normal school situation. Investigations shall be directed toward a comprehension of the behavior of children so that an authentic verifiable contribution to knowledge can be made in order to ascertain, support, and/or formulate principles or procedures in education. The goal of research is not to exploit the child and his learning experiences within the classroom, but to add to his total social, emotional, and intellectual development.

3. Research proposals submitted by persons other than School of Education faculty members shall be considered initially by the research committee. If approved by the committee they shall be submitted to the Dean of the School of Education and the Amherst School Committee for their respective approval.

4. Proposals involving major departure from policy as established by the Amherst School Committee, if approved by the research committee, shall be referred to the Amherst School Committee and the Dean of the School of Education for discussion.

5. Any testing, evaluating, or otherwise measuring of children or teachers shall be reduced to coded data and the identities of individuals concerned known only to the principal of the Mark's Meadow School or other authorized Amherst school personnel.



APPENDIX "D"

Publications

- Anthony "Defeated by Victory" Peabody Journal of Education, Jan. 1961, pp. 206-13
- Hall Science Series Review: "Living Today" Book 1-6, Curriculum Advisory Service, August, 1961
- Hall Math Text Review: "Fundamentals of Mathematics" Curriculum Advisory Service, September, 1961
- Jones "Proceedings Forty-first Annual North Atlantic Regional Conference" School of Education, University of Massachusetts, Amherst, Mass. 59 Pages. (M.meographed)
- Rogers "Teacher Preparation--The Students View" Journal of Teacher Education, XII (June, 1961) pp. 254-256
- Rogers "Guiding Childrens Activities in the Social Studies" in Teaching Social Studies in the Middle Grades, ed. C. W. Hunnicutt, The National Council for the Social Studies, Washington, D.C., 1960
- Rogers "Using Original Source Material with Children in the Intermediate Grades" Social Education, XXIV (November, 1960) pp. 307-309
- Wyman "A Bonus for the Forgotten Learner" A review. Audiovisual Instruction, October, 1960. P. 247-249
- Wyman Project Chairman and Editor, "And TV Too!" Booklet Published by National Education Association, April, 1961 64 pages
- Wyman "Closed Circuit Radio" Educational Screen and Audiovisual Guide, September, 1961 p. 490-492
- Participation in State and National Committees
- Barfield: Chairman "Science Congress" University of Massachusetts
- Barfield: Member Regional Science Fair Committee
- Jones: Chairman Teacher Education Committee in Agricultural Education
- Jones: Member MWATA Executive Committee
- Jones: Member American Vocational Association Teacher Education Committee
- Jones: North Dartmouth High School, School Evaluation Team
- McManamy: Massachusetts Teachers Association State-wide committee on Sponsorship of Student NEA
- Oliver: Massachusetts Secondary School Principals Association
1. Educational Policies Committee
  2. Chairman of Handbook Committee



- Rogers: Led three day discussion session at National ASCD Conference in Chicago on "Needed Research in Elementary Curriculum" March 12-16, 1961
- Rogers: Member, NCSS National Committee in charge of writing the February issue of Social Education
- Rogers: Member, planning committee for New England, ASCD Conference, July 1961
- Rogers: Visiting Professor of Elementary Education, Utah State University, June-July, 1961
- Wyman: National Advisory Committee for Institute for Education by Radio-TV
- Wyman: NEA, Department of A-V Instruction Committee on Television, Chairman
- Wyman: National Planning Committee for annual DAVI Convention
- Wyman: Advisory Committee for State A-V Office
- Wyman: Board of Directors for State A-V Association
- Wyman: Planning Committee for Northeast A-V Conference
- Wyman: Technical Advisor to Four College Radio Station
- Wyman: Judge for National Radio Program Competition

Speeches:

- Anthony: Talk before Greenfield High and Junior High School Teachers on "Critical Thinking" Spring 1961
- Hall: Speeches to P.T.A. in South Hadley, Greenfield, Montague Center and Hadley
- Hall: Northampton - Career Day
- Jones: Guest Speaker at Pelham Men's Club, Arms Academy, Wachusett Regional High School, South Deerfield, Northampton, Northfield
- Jones: "Advisory Committees in Vo-Ag" Northfield and Holden
- Jones: Summer Conference, Vo-Ag Teachers, Essex County Agricultural School
- McManamy: Spoke to Belchertown Teachers Association, Green River P.T.A. Greenfield, Peterham P.T.A., Silver Lake P.T.A. Athol, and College of Our Lady of the Elms
- Oliver: Several talks to principal's groups, P.T.A.'s and service organizations
- Pippert: Western Massachusetts Branch of American Personnel and Guidance Association
- Pippert: Hopkins Academy. Teacher in-service meeting on marking



Pippert: PTA - Williamsburg and Granby  
Pippert: Evaluation team at Arlington High School  
Pippert: Pioneer Valley Association  
Rogers: Keynote speaker, Springfield Public Schools  
Rogers: League of Women Voters, Amherst  
Rogers: Spoke at seven PTA's  
Rogers: Family Life Conference, University of Massachusetts  
Rogers: Pittsfield Citizens Council  
Wyman: PTA, Greenfield and Northampton  
Wyman: Pest Control Operators Conference  
Wyman: Group Leader at NE A-V Conference in Concord, N.H.  
Wyman: Consultant for Group at Elementary Principal's Conference  
Wyman: Chairman of Session at Miami A-V Convention  
Wyman: Greenfield Rotary Club  
Wyman: Superintendents A-V Meeting in Holyoke (2)  
Wyman: New Salem School Union  
Wyman: Faculty of New Mexico State University





ANNUAL REPORT  
OF THE  
SCHOOL OF ENGINEERING

October 1, 1960 - September 30, 1961

UNIVERSITY OF MASSACHUSETTS

DECEMBER, 1961







less than 40 volumes; certainly a credit to our students and faculty. Two Pace TR-10 analogue computers were acquired with the help of an A.E.C. grant.

Financial Support

The following table indicates financial support provided by the annual allotment of funds for the years noted:

Account	1965	1966	1967
Acct. 03	\$ 6,791*	\$10,500*	\$12,000*
04	200	50	50
10	1,500	1,800	2,800
11	125	200	200
17	5,374	5,000	10,000
13	16,000	16,500	19,800
14	1,900	1,900	1,900
15	15,900	10,000	15,000
16	"	300	445

\*These amounts are subject to approval by the Accounting and Budgeting Department (835627)

Problems noted in the operations of the Accounting and Budgeting Department we definitely could not maintain a first-rate instructional program.

Personnel

The following table indicates the personnel situation by rank for the three years noted:

Rank	1965	1966	1967
Professors	3	4	2
Dept. Heads	4	4	3
Professors	8	10	10
Associate Profs.	15	15	14
Assistant Profs.	12 1/2	12 5/6	11 5/6
Instructors	7	1 1/2	3
Administrative Personnel	(1/2 and 1/3)	4	11
			10

An organization chart of the School is included as Fig. 1 of the Appendix. Also found there is Fig. 2 indicating Personnel Data - School





Engineering attracted 24.3 percent of the incoming boys in Sep., 1961, and total engineering enrollment was 23.5 percent of undergraduate men. This is a drop from the previous year. We continue to attract more than our share of good students. Figs. 3, 4, 5, 6 show the "Cumulative Grade Point Averages" for the Classes of 1961, 1962, 1963, 1964 respectively as of June 1964.

The following table indicates student enrollments in various departments for the years noted:

	October <small>1964</small>	1959 <small>1960</small>	1960 <small>1961</small>	1961 <small>1962</small>
Ch.E.				
	Sr.	15	23	17
	Jr.	21	26	38
	Soph.	38	46	36
C.E.				
	Sr.	36	34	32
	Jr.	20	30	30
	Soph.	36	38	45
E.E.				
	Sr.	40	46	28
	Jr.	50	51	60
	Soph.	90	71	82
M.E.				
	Sr.	49	38	31
	Jr.	35	38	50
	Soph.	55	42	50
I.E.				
	Sr.	16	16	12
	Jr.	15	14	14
	Soph.	12	13	11
Freshmen	321	317	298	
Total Undergrad. Enroll.	849	863	836	
Graduate Students	18	27	50	
Pittsfield Undergrads.	135	131	84	
Pittsfield Graduates	28	25	26	

Students taught\* 2021 2080 2116

\*This figure is obtained by adding the enrollment in all courses, graduate and undergraduate.

The School of Engineering offers very few service courses for other areas of the University. Properly qualified non-engineering students are found in drawing, surveying, applied mechanics, electronics and sanitary engineering courses. Only C.E. 27 Plane Surveying and C.E. 79 Principles of Sanitary Engineering are offered specifically for non-engineers, and these have low enrollments.



## Faculty Research, Publications and Professional Activities

Our engineering faculty have been professionally active the past year. This takes the form of consulting, research on or off campus, writing, and society committee work and responsibility. Fig. 7 indicates the publications of our faculty both in the technical press and internal publications as part of consulting work in industry. This record is significant when it is noted that engineering educators account for only 17 per cent of typical engineering literature while 59 per cent of chemical literature and 52 per cent of physics articles come from educators. 1

Fig 8 indicates the current campus research projects that our faculty are working on. Here again this should be viewed with some knowledge of the normal employment pattern for engineers. A recent report indicates that about 33 per cent of engineers either conduct or administer research, while the figures for Physicists is 65 per cent, Biological Scientists 65 per cent, Mathematicians 61 per cent and Chemists 55 per cent. Over 42 per cent of engineers are in production and operations not counting the administrators of such activities? When consulting and other professional activity, as noted below, are added it may well be found that few, if any, areas of the University have a more professionally creative faculty.

During the summer of 1961 Dr. Lindsey attended a one-week course on use of computers in engineering education at Michigan, as well as a Naval Research Reserve seminar in Chicago. He is on the Equipment Testing Procedures Committee of A.I.Ch.E. Dr. Cashin attended an A.S.M.E. and A.I.Ch.E. joint transfer conference in Colorado. Dr. Duns attended a thermo chemical conference in Ottawa. Dr. Kim was an engineer with Shastnigan Kestis Co. and is the University representative to the M.I.T. Computation Center.

Professor Weaver is continuing some case work with the American Arbitration Association and is on the Board of Governors for S.A.M. and chairman of the Papers Committee of the Management Division of A.S.M.E. Professor Dittrich spent three weeks at an N.S.F. Conference at Rutgers and two weeks at a Yonkers Instrument Company course during the summer. He is chairman of the New England Section, S.A.E. Professor Keyer continues as consultant to three companies in the metallurgical field, and presented a report at the

### 1. Ford Foundation "Engineering Faculty Study" August 1961

2. "Scientists and Engineers in American Industry" U.S. Department of Labor February, 1962



New England Section of A.S.E.E. Professor Day continues his consulting with the Aircraft Accessories Department of G.E. on fuel cells. Professor O'Byrne spent the summer at M.I.T. on an N.S.F. Faculty Fellowship in the heat transfer area. Professor Zettersten attended a two-week General Motors professor's conference, and is a consultant with Package Machinery Company. Professor Kroner was a consultant with the Kollmorgen Company and did some technical translations. Dr. Rising was a consultant with Package Machinery Company during the summer and was also on the staff of the Ford Foundation Young Engineering Teachers Seminar at Yean. State. He is on the executive committee of the Educational Methods Division of A.S.E.E. and a consultant to the Educational Testing Service. Professor Roberts attended a two-week materials seminar at M.I.T.

Dr. Shekels is on the editorial committee of the Journal of Engineering Education and last summer attended an N.S.F. workshop on Systems Engineering at the University of Pennsylvania. Professor Langford attended a two-week seminar on computer use in electrical engineering at Michigan. Professor Bett spent eight weeks at a Ford Foundation Workshop on the use of computers in engineering education at Michigan and is consultant for two local concerns. Professor Edwards was an engineer with Digital Equipment Corporation during the summer. Professor Longley continues as Consulting Engineer with Western Massachusetts Electric Corporation while spending half time with us. Professor Maunder a visiting lecturer with us since September, 1961 after an early retirement as a manager of engineering with G.E. is a member of the Committee on Electronics Transformers of A.I.E.E.

Dr. White reviewed civil defense activity in Europe during the summer and is Chairman of the Protective Construction Committee of the National Academy of Sciences, chairman of the Committee on Evaluation of Strength of Existing Buildings of the American Concrete Institute, U.S. Delegate to the International Association for Materials and Structures and on the A.S.C.E. Committee on Mechanical Properties of Materials. He is a consultant to the U.S. Air Force and American Maching and Foundry Company. Professor Mendrickson continues as a consultant on soil mechanics and foundations locally. Professor Marcus is New England Section Delegate on the General Council of A.S.E.E. Professor Boyer was an Estimating Engineer for Daniel O'Connell Sons, Inc. during the summer. Dr. Carver continues as a consultant





with the Ordnance Department of G.E. and is a member of the Fluid Mechanics Comm. of the Engineering Mechanics Division of A.S.C.E. Professor Higgins was an hydraulic engineer with the Soil Conservation Service during the summer. Mr. Bembien returned in September and continues consulting work on soil mechanics locally. Dean Marston during the year was president of the Engineering Society of Western Massachusetts, chairman of the Military Affairs Committee of the Engineering College Administrative Council, was on the Technical Meeting Committee of E.J.C. and became vice-president for Sections East of A.S.E.E.

Four of our faculty have books in preparation on Soil Mechanics, Transient Analysis, Drafting for Architecture and Cost Control.

Two of our staff were awarded N.S.F. Science Faculty Fellowships for a year's study to increase their competence as teachers. They are at Standord and R.P.I. Another left on leave without pay to work toward his doctorate at Northwestern.

#### Special Projects or Programs

The start of the Engineering Science Optional curricula in all of the departments in September 1961 marked a major innovation. This resulted from a committee effort headed by Dr. M. P. White. See Fig. 9 for details concerning the objectives and requirements. It is interesting to note that Engineering Science Optional curricula were also instituted in engineering departments at M.I.T. in the fall of 1961.

A significant report "Technical Institute Study Committee" from our Committee headed by Professor J. D. Swenson pointed out the need for more technical institute education in Massachusetts but recommended that it not be located on our campus. The University Administration has higher priorities so that it is doubtful if any action will be forthcoming yet the recommendations are significant and available. A copy of the report is filed with the University's copy of this report.

The addition of the I.B.M. 1620 and the acquisition of the Pace TR analogue computers have added significantly to the educational opportunities available to our engineering students. The problems of integration of this work into our curricula without duplication is well underway.





## Future Plans and Needs

### Engineering Education

Our School of Engineering is part of the national engineering education complex as well as part of the University. ✓ Decreasing freshmen engineering enrollments, confusion as to the difference between engineering and science, the trend toward common core subjects for all engineering disciplines, the explosion of technological information, computers and automation, improved science and mathematics courses both in quality and quantity in the high schools all have their effect on engineering education and our school.

A brief statement of our objective may clarify our situation. We are attempting to provide the best possible instruction within our means to all of our students in all of our courses, technical, scientific, mathematical, the humanities and the social sciences. This involves first a capable faculty devoted to higher education. It should be recognized that the "core faculty"<sup>1</sup> of our engineering schools (8200) represent less than 1.4 percent of the engineers of the country. Among this small and select group we find wide variation in educational background and professional interests. For example, the earned doctorate is held by 33 percent and even in the 22 schools that are the largest producers of engineering doctorates only 52 percent of their faculty have the degree. Nearly 40 percent of the faculty members indicate some research activity and almost a half serve as consultants. About two-thirds have spent some time in industry or government employment during the past ten years.<sup>2</sup>

✓ Engineers are not in education to practice engineering as consultants or basically as researchers. ✓ If they preferred this they would certainly practice their profession elsewhere as most of them do. ✓ They are in engineering education because of their keen interest in it. This teaching is not normally considered by our faculty to be a chore to be handled casually with as little effort and time as possible to enable them to pursue their research. Yet many of our faculty are interested in and engaged in research and consulting but there is a balance with us as there should be. We deplore shoddy teaching wherever it is found and this is of great concern to us as

<sup>1</sup> Those more or less permanent faculty members.

<sup>2</sup> Ford Foundation Report "Engineering Faculty Study" 1961



we look to the future here at the University. Our supporting work in the College of Arts and Sciences should be handled well and with imagination by a capable and interested group of teachers.

Graduate work with its research should come as the demand indicates the need. Sixty percent of the land-grant schools of engineering had awarded no earned doctorates through 1959. "These schools should perhaps be commended for exercising admirable restraint. As their resources in staff, facilities and research programs evolve they can be expected to contribute substantially to the supply of engineering doctorates who are so sorely needed in education, industry and government." ✓ We do not aspire to offering the doctorate in engineering simply to have our "name on the book", or to keep our faculty alert and up to date, commendable as this may be. But there are other ways. It will come from the dedicated effort of faculty members more interested in the student than the publication and when the need exists.

#### Curricula

We have a faculty committee reviewing the "five-year" curriculum problem as it relates to us. They will report this academic year. Continual curricular changes attest to the continued concern of our faculty for the best in engineering education. This will continue department by department. No new curricula seem justified in the immediate future. We still have the five most popular curricula in engineering education. Stronger master degree programs at the graduate level are developing with the possibility of a terminal design masters emerging.

#### Faculty

Recruitment of well-qualified faculty is the major problem faced by all engineering schools. The best available estimates for the years 1967, 1968 and 1969, for example, indicate only about one in 3.7 new faculty members in engineering can be expected to have an earned doctorate. Thus we must make our offers as attractive as possible financially as well as environmentally. ✓ We must plan on at least 10 percent of our faculty being on leave refreshing themselves during any semester. Yet we must recognize

<sup>1</sup>Evaluation of Resident Instruction in Engineering at Land-Grant Institution  
November 1961

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice to ensure transparency and accountability.

2. The second section outlines the procedures for handling discrepancies between the recorded amounts and the actual cash received. It states that any such variance must be investigated immediately and reported to the appropriate authority.

3. The third part of the document details the requirements for the physical handling of cash. It specifies that all cash must be stored in a secure, fireproof safe and that access to the safe is restricted to authorized personnel only.

4. The fourth section addresses the issue of cash deposits. It requires that all cash received must be deposited into the designated bank account within a specified time frame to prevent any loss or misappropriation.

5. The fifth part of the document discusses the importance of regular audits. It states that the accounts should be audited at least once a month to ensure that all transactions are properly recorded and that there are no unauthorized withdrawals or payments.

6. The sixth section outlines the responsibilities of the staff members involved in the cash handling process. It emphasizes that all staff must be trained in the proper procedures and must adhere to the highest standards of integrity and honesty.

7. The seventh part of the document discusses the consequences of non-compliance with the cash handling policies. It states that any staff member found to be in violation of these policies will be subject to disciplinary action, up to and including termination.

8. The eighth section of the document provides a summary of the key points discussed and reiterates the importance of strict adherence to the cash handling procedures.

9. The final part of the document is a concluding statement that expresses the organization's commitment to maintaining the highest standards of financial integrity and transparency.

engineering for what it is and have within our faculty the consultant, the researcher, the creative designer, the active professional society committee worker, the informed engineering educator, the specialist and the generalist - but all devoted teachers.

#### Facilities

Here our needs are well provided for with the completion of the Engineering Shop and Laboratory building this coming spring and the University request for the new \$2,000,000 Engineering Building in 1962. Future building needs may develop around 1967.

#### Students

✓ Improved high school contacts, slowly developing, will attract more capable students from whom engineering will draw more than their share.

We are inviting certain high school faculty to visit the University, exchange information on honors programs at both the high school and college level, and thus recognize the superior opportunities available to their students at our School of Engineering.

✓ Improved professional counseling of our own undergraduates must develop. This will increase our survival rate and contribute to future accomplishments of our alumni. The need for engineering graduates in the years ahead will increase as our society becomes more technical. See Fig. 10 for the list of companies and organizations our graduates took employment with in 1961.

#### Alumni

Our history as a school is brief yet within the next few years many of our graduates will emerge in very responsible positions. Future consideration should be given to a strong engineering alumni council that could bring with it substantial benefits to the school, its students and faculty. This year the Engineering Alumni Scholarship Committee granted \$1600 in \$100 and \$200 awards to undergraduates. See Fig. 10 and Fig. 11 for Alumni Questionnaire to 5- and 10-year classes respectively.

#### Extension

This is an area that needs development yet it must be adequately financed and supported by the University administration as well as public officials. A strong engineering extension program could contribute to the industrial







health of the commonwealth as well as benefit our School of Engineering. In California, for example, interdisciplinary space courses have been offered in extension programs years ahead of the introduction of such work into campus curricula.

#### Priorities

Few universities can develop wide educational programs without slighting some and favoring others. ✓ Priorities must be established and what is far more important these must be known. For example, if the development of a medical school has top priority many areas can adjust their programs to contribute toward that goal thus hastening the achievement and enhancing its prestige. Yet these priorities should be established with the benefit of the best available information and judgement and within the context of the whole. ✓ We are in Massachusetts with its Harvard, B.U. and M.I.T. ✓ To attempt to copy them or other state Universities is easier. Yet to be creatively independent in our own environment is certainly the mark of real leadership and will benefit the state more.

The present professional schools of the University are in need of broad basic policies established by cooperative effort, thoroughly understood and supported by the administration. This is particularly important as the College of Arts and Sciences strives to attain the recognition that has already come to several of these professional schools. The questions of quality undergraduate service courses adjusted to the needs of particular applied areas and the autonomy of each school for its own undergraduate as well as graduate programs can be cited.

✓ Long-range planning, especially in a dynamically growing institution like the University, should require the very best possible resources. Each school and area of the University should be part of this. A heterogeneous committee is not an adequate answer, however. For example, a weekend conference of the academic deans with top administrative officials away from distractions could only hope to paint the broad outlines of the problem but it would certainly be a constructive first approach. We can speculate as to whether if there had been no land-grant colleges, generally located in rural areas, engineering education would have developed more



like medical education. But there are the land-grant colleges, and we are one of them, where "agriculture and the mechanic arts" are supposedly a respected part of our tradition.

George A. Marsden

December 18, 1961



A P P E N D I X

- Fig. 1 Organization Chart, September 1961
- Fig. 2 Department Area - School of Engineering  
September 15, 1961
- Fig. 3 Cumulative Grade Point Average - June 1961  
Classes of 1961, 1962, 1963, 1964
- Fig. 4 Recent Professional Publications of the Faculty  
December 1961
- Fig. 5 Research Projects, Oct. 1960 - Sept. 1961
- Fig. 6 Engineering Science Option - All Engineering  
Departments, March 1961
- Fig. 7 Employment of Engineering Graduates, Class of 1961
- Fig. 8 Alumni Questionnaire, Class of 1950 (ten-year)
- Fig. 9 Alumni Questionnaire, Class of 1950 (14-year)

A. Report of Technical Institute Study Committee, June 1961













CLASS OF 1961--CUMULATIVE GRADE POINT AVERAGE, JUNE 1961

The cumulative average of the Class of 1961 has the following cumulative averages in each year. This information was computed from the records of the School of Engineering. The data is as follows: The cumulative quality point average of 3.4 for a semester course is 1.3 for a year. They had to have a 1.3 cumulative average of 1.3 in each year. They had to have a 1.3 cumulative average of 1.3 in each year. The cumulative average of 1.3 in each year is 1.3. This is the first class in the history of the University which has been graded on this system.

Cumulative Quality Point Average	Total From Top	Number With Quality Point Average	Total From Bottom	Remarks
1.0	1	1	112	1 had sem. ave. above 3.6
1.1	1	4	109	1 had sem. ave. above 3.4
1.2	1	2	105	3 had sem. ave. above 3.3
1.3	1	1	100	0 had sem. ave. above 3.2
1.4	1	3	99	2 had sem. ave. above 3.1
1.5	1	2	96	1 had sem. ave. above 3.0
1.6	1	1	88	1 had sem. ave. above 2.9
1.7	1	1	87	0 had sem. ave. above 2.8
1.8	1	2	85	1 had sem. ave. above 2.7
1.9	1	7	81	3 had sem. ave. above 2.6
2.0	1	6	74	4 had sem. ave. above 2.5
2.1	1	10	68	2 had sem. ave. above 2.4
2.2	1	12	58	9 had sem. ave. above 2.3
2.3	1	10	46	6 had sem. ave. above 2.2
2.4	1	10	36	8 had sem. ave. above 2.1
2.5	1	8	26	5 had sem. ave. above 2.0
2.6	1	7	18	4 had sem. ave. above 1.9
2.7	1	6	11	6 had sem. ave. above 1.8
2.8	1	4	5	3 had sem. ave. above 1.7
2.9	1	1	1	1 had sem. ave. above 1.6

Math 65 had items:

July 14, 1961

Failures:

Math 92 = 1



CLASS OF 1962--CUMULATIVE GRADE POINT AVERAGE, JUNE 1961

The engineering students of the Class of 1962 have the following cumulative averages. In most cases, this represents six semesters of academic work. It should be noted that this class had to have a cumulative quality point average of 1.4 or a semester average of 1.5 in June, 1959. They had to have a cumulative average of 1.5 or a semester average of 1.6 in June, 1960. They had to have a cumulative average of 1.6 or a semester average of 1.7 in June, 1961. A 1.7 cumulative average will be required of this class for graduation. This is the fifth class in the history of the University which has been graded on this system.

Cumulative Quality Point Average	Total From Top	Number With Quality Point Average	Total From Bottom	Remarks
3.8	1	1	159	1 had sem. ave. above 3.8
3.5	3	2	158	1 had sem. ave. above 3.5
3.4	5	2	156	2 had sem. ave. above 3.4
3.3	8	3	154	2 had sem. ave. above 3.3
3.2	11	3	151	2 had sem. ave. above 3.2
3.1	14	3	148	0 had sem. ave. above 3.1
3.0	23	9	145	3 had sem. ave. above 3.0
2.9	25	2	136	2 had sem. ave. above 2.9
2.8	28	3	134	1 had sem. ave. above 2.8
2.7	38	10	131	5 had sem. ave. above 2.7
2.6	43	5	121	1 had sem. ave. above 2.6
2.5	49	6	116	5 had sem. ave. above 2.5
2.4	57	8	110	4 had sem. ave. above 2.4
2.3	66	9	102	3 had sem. ave. above 2.3
2.2	76	10	93	4 had sem. ave. above 2.2
2.1	93	17	83	7 had sem. ave. above 2.1
2.0	109	16	66	4 had sem. ave. above 2.0
1.9	123	14	50	4 had sem. ave. above 1.9
1.8	131	8	36	5 had sem. ave. above 1.8
1.7	145	14	28	7 had sem. ave. above 1.7
1.6	152	7	14	4 had sem. ave. above 1.6
1.5	157	5	7	4 out, 1 sem. ave. above 1.5
1.4	159	2	2	All out of University

Note: 68 had semester quality point average above their cumulative averages.  
July 13, 1961

## Failures:

CE 53 = 8  
CE 70 = 1  
CE 75 = 3  
CE 76 = 1  
Chem 52 = 2  
Chem 66 = 1  
Chem 86 = 1

EE 54 = 4  
EE 56 = 2  
EE 58 = 6  
EE 62 = 2  
Econ 25 = 1  
Engl 2 = 1  
Engl 26 = 3

French 2 = 1  
Math 32 = 1  
Math 57 = 3  
Math 91 = 1  
Math 92 = 1  
ME 45 = 1  
ME 63 = 1

ME 64 = 9  
ME 67 = 1  
ME 68 = 7  
ME 82 = 1  
PE 33 = 1  
Psych 26 = 1





CLASS OF 1963--CUMULATIVE GRADE POINT AVERAGE, JUNE 1961

The Engineering students of the Class of 1963 have the following cumulative averages. In most cases, this represents four semesters of academic work. It should be noted that this class had to have a cumulative quality point average of 1.4 or a semester average of 1.5 in June, 1960. They had to have 1.5 cumulative or semester average of 1.6 in June 1961. The same requirement will hold for January 1962. They will have to have a 1.6 cumulative or semester average of 1.7 in June 1962. This is the sixth class in the history of the University which has been graded on this system.

Cumulative Quality Point Average	Total From Top	Number With Quality Point Average	Total From Bottom	Remarks
3.8	1	1	161	0 had sem. ave. above 3.8
3.7	1	0	160	0 had sem. ave. above 3.6
3.6	2	1	160	0 had sem. ave. above 3.5
3.5	4	2	159	1 had sem. ave. above 3.4
3.4	7	3	157	2 had sem. ave. above 3.3
3.3	9	2	154	2 had sem. ave. above 3.2
3.2	11	2	152	0 had sem. ave. above 3.1
3.1	14	3	150	1 had sem. ave. above 3.0
3.0	17	3	147	1 had sem. ave. above 2.9
2.9	23	6	144	1 had sem. ave. above 2.8
2.8	28	5	138	1 had sem. ave. above 2.7
2.7	40	12	133	5 had sem. ave. above 2.6
2.6	43	3	121	0 had sem. ave. above 2.5
2.5	50	7	118	1 had sem. ave. above 2.4
2.4	60	10	111	1 had sem. ave. above 2.3
2.3	67	7	101	4 had sem. ave. above 2.2
2.2	79	12	94	5 had sem. ave. above 2.1
2.1	89	10	82	4 had sem. ave. above 2.0
2.0	101	12	72	7 had sem. ave. above 1.9
1.9	108	7	60	3 had sem. ave. above 1.8
1.8	116	8	53	2 had sem. ave. above 1.7
1.7	126	10	45	1 had sem. ave. above 1.6
1.6	140	14	35	5 had sem. ave. above 1.5
1.5	145	5	21	1 Reinstated, 1 above 1.5
1.4	151	6	16	1 Reinstated, 4 out of University, 1 above 1.4
1.3	157	6	10	5 out, 1 above 1.3
1.2	159	2	4	2 out of the University
1.1	160	1	2	1 out of the University
1.0	161	1	1	1 out of the University

Note: 50 had semester quality point averages above their cumulative averages.  
July 17, 1961

## Failures:

Air 26 = 3  
Armor 26 = 2  
Art 14 = 1  
CE 32 = 1  
CE 34 = 6  
CE 52 = 3  
CE 53 = 5

CE 75 = 1  
Ch E 26 = 1  
Chem 52 = 1  
Chem 30 = 2  
EE 42 = 8  
EE 56 = 1  
Econ 25 = 2

Engl 26 = 10  
Engl 83 = 2  
Math 6 = 4  
Math 31 = 4  
Math 32 = 10  
ME 2 = 1  
ME 64 = 1

PE 33 = 14  
PE 34 = 20  
Physics 6 = 3  
Physics 7 = 2  
Phil 31 = 1  
Psych 26 = 4



The engineering students of the Class of 1964 have the following cumulative averages.  
 This report is the result of academic work. It should be used that  
 1.6 in June, 1961. This is the seventh class in the history of the University which has  
 been graded on this system.

	Total from Top	Number With Quality Point Average	Total from Bottom	Remarks
3.8	2	2	260	1 had sem. ave. above 3.8
3.7	2	0	253	
3.6	6	3	253	3 had sem. ave. above 3.6
3.5	9	1	255	0 had sem. ave. above 3.5
3.4	14	3	254	2 had sem. ave. above 3.4
3.3	17	5	253	2 had sem. ave. above 3.3
3.2	23	3	246	1 had sem. ave. above 3.2
3.1	31	6	243	3 had sem. ave. above 3.1
3.0	38	3	237	4 had sem. ave. above 3.0
2.9	47	7	229	2 had sem. ave. above 2.9
2.8	57	9	222	2 had sem. ave. above 2.8
2.7	62	5	213	1 had sem. ave. above 2.7
2.6	62	10	208	4 had sem. ave. above 2.6
2.4	86	9	181	1 had sem. ave. above 2.4
2.3	90	12	174	6 had sem. ave. above 2.3
2.2	109	11	162	4 had sem. ave. above 2.2
2.0	126	9	145	5 had sem. ave. above 2.0
1.9	123	9	145	0 had sem. ave. above 1.9
1.7	123	9	145	5 had sem. ave. above 1.7
1.6	123	9	145	9 out, 9 sem. ave. above 1.6
1.5	123	9	145	9 out, 3 sem. ave. above 1.5
1.4	123	9	145	All out of University
1.3	123	9	145	All out of University
1.2	123	9	145	All out of University
1.1	123	9	145	All out of University
1.0	123	9	145	All out of University
0.6	123	9	145	All out of University

Maths:

Air 2 = 2  
 Armor 1 = 2  
 Art 14 = 2  
 CE 34 = 2  
 Chem 2 = 15  
 Econ 25 = 4  
 Engl 1 = 2

Engl 2 = 6  
 Engl 25 = 1  
 Engl 26 = 1  
 Govt 25 = 1  
 Govt 26 = 1  
 ME 2 = 19  
 Math 5 = 13

Math 6 = 23  
 Math 7 = 2  
 Math 32 = 1  
 PE 3 = 26  
 PE 4 = 18  
 PE 8 = 1  
 PE 34 = 1

Phil 31 = 1  
 Physics 6 = 9  
 Social 26 = 2  
 Social 25 = 4  
 Speech 3 = 1  
 Speech 94 = 1



Title

Publisher or Periodical

Author

Research on Engineering  
Teaching Methods

E. J. Rising  
Co author

Journal of Engineering Education  
November 1961

ADC's of BLC in ASW

T. H. Feng

Ordnance - Sept.-Oct., 1961

Use of Radioscopes in  
Teaching Electronics

E. J. Rising

Journal of Engineering Education  
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W. S. Fisher  
and others

Manual of Engineering Practice -  
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An Introductory Discussion of the  
Strength Evaluation of Reinforced Concrete

T. H. Feng

Journal of New England Waterworks  
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Earthquake Engineering -  
and Science  
A Prepared Discussion

M. P. White

Civil Engineering Education  
Journal

Meaning of Earthquake Spectra

M. P. White

Proceedings 2nd World Earthquake  
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The Production and Use of Motion  
Pictures for Engineering Instruction

E. J. Rising

Journal of Engineering Education

The Role of Engineering in the  
Geographical Sciences

E. J. Rising

Journal of Engineering Education

Radio Engineering -  
Antennas

C. S. Roys

Journal of Engineering Education

Antennas - Radio Receivers

C. S. Roys

Journal of Engineering Education

Calculation on the Card Program Computer

J. H. Dick

Journal of Engineering Education

How Can Engineering Education Be  
Improved?

J. H. Dick

Civil Engineering  
Journal

Fifty Years of Steel Progress

T. A. Keyser

Industrial and Engineering  
Chemistry

Materials of Construction

Revision by

Journal of Engineering Education

By Bailem

J. S. Peck and  
others

Journal of Engineering Education

Materials of Engineering

J. S. Peck and  
others

Journal of Engineering Education





RESEARCH PUBLICATIONS, October, 1960 - September, 1961.

CHEMICAL ENGINEERING

Study of Mass Effects in Production of Dispersions; K. D. Landsey, V. Augustinina  
Use of Light Scattering to Measure Dispersions (FPG) E. B. Lindsay, P. Bedard,  
U. Sullivan

Heat Transfer to Fluidized Beds; K. D. Caekir

Radiation Emisivities of Surfaces at 10<sup>3</sup> - 50<sup>3</sup> K; Dept.

Material Balances and Chemical Kinetics in a Counter-current, Oil-air-water Separator

H. C. Duss

Prepulse Condensation of Steam at Higher Temperatures; A. J. Geda, A. Z. Melch

Rates of Absorption of CO<sub>2</sub> by Fluidized Lines (FPG) I. H. Kim, G. Sence

Dynamic Study of a Heat Exchanger; I. H. Kim, E. Daniels

Dynamic Study of Distillation Columns; I. H. Kim, J. Adams

NAVAL ARCHITECTURE

Resistance of Aircraft Carriers to Nuclear Blast (NOES 2343), Ba. Shizu) M. P. White,

F. J. Delalo

Effect of Secondary Bracing on Nuclear Blast Resistance of One Story, Steel Frame.

Industrial Type Buildings (AF 33(600) - 35001) M. P. White

Dynamic Loading of Single Crystals; (FPG) D. B. Harris

The Nature and Disinfecting Power of Subchlorine Residuals (N Y N. BK-7485) S. H. Long

Removal of Synthetic Detergent in Waste-Water by Adsorption; Y. H. Feng

Hydrology Studies of Western Massachusetts; G. R. Higgins

ELECTRICAL ENGINEERING

Simulation and Measurement of Control System Response; H. W. Betty, C. Zalkind  
Design of a Single Transient Analyzer for Ferrite Cores; A. W. Langford, M. A. Elvok  
Comparison of Actual to Theoretical Response of RLC one port networks; D. E. Scott,

R. C. Soucy

Approach to a Dynamic Circuit Apparatus; D. E. Scott (with Psychology Dept.)

Mechanical Engineering

Effects of Temperature in a Closed Thermodynamic System (FPG) R. W. Day

Design of a Small Pressure Transducer to be Installed in a Fighter Jet; (FPG) P. V. Day

A Study of Mechanical Properties of Epoxy Resin Adhesives; C. A. Keyser R. Girdles

Dispersion Hardening of Lead Alloys; C. A. Keyser, D. J. Mraz

FPG: Faculty Research Grant; (NH) National Institute of Health; (NOES) Naval Office  
Bureau Ships; (AF) U. S. Air Force

12/18/61





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... 1977 ...

... 1977 ...

... 1977 ...

1977

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1977







We agreed to send you the results, and here they are for your class. Twenty-one replies were received from 75 in the class or 28.0%.

1. The average age at graduation of the 21 was 22.

2. Advanced degrees are held by 3. Five additional are working towards one.

3. Salaries varied from two \$1-6000 to two who receive \$10-12,000. The median was in

and four. Thirteen had two or less.

4. Professional registration is held by 2.

5. Professional Society membership is held by 17 with the largest group, 4, in A.S.M.E.

6. Civic Activities were participated in by 4.

7. Two in the group of 21 have publications.

8. Hardly a technical course was not mentioned by someone as being "most beneficial",

course. They included Accounting, Applied Psychology, Spanish,

12. "Do you regret the major you took". YES 0; NO 19; Questionnaire 1.

13. 100% would like to raise their son (if they had one) attend their alma mater.

14. Twelve or 57% do not regret the progress of the University.

15. Salary wise, our graduates do better than our faculty!

16. Our engineering graduate have broad interests, do not tend to change employers.

17. Graduated in 1955. The University, and recognize quality where they see it!









October 1, 1960--September 30, 1961

University of Massachusetts

1. Summary of Appropriations

3. Organizational Chart

4. Students and Enrollments

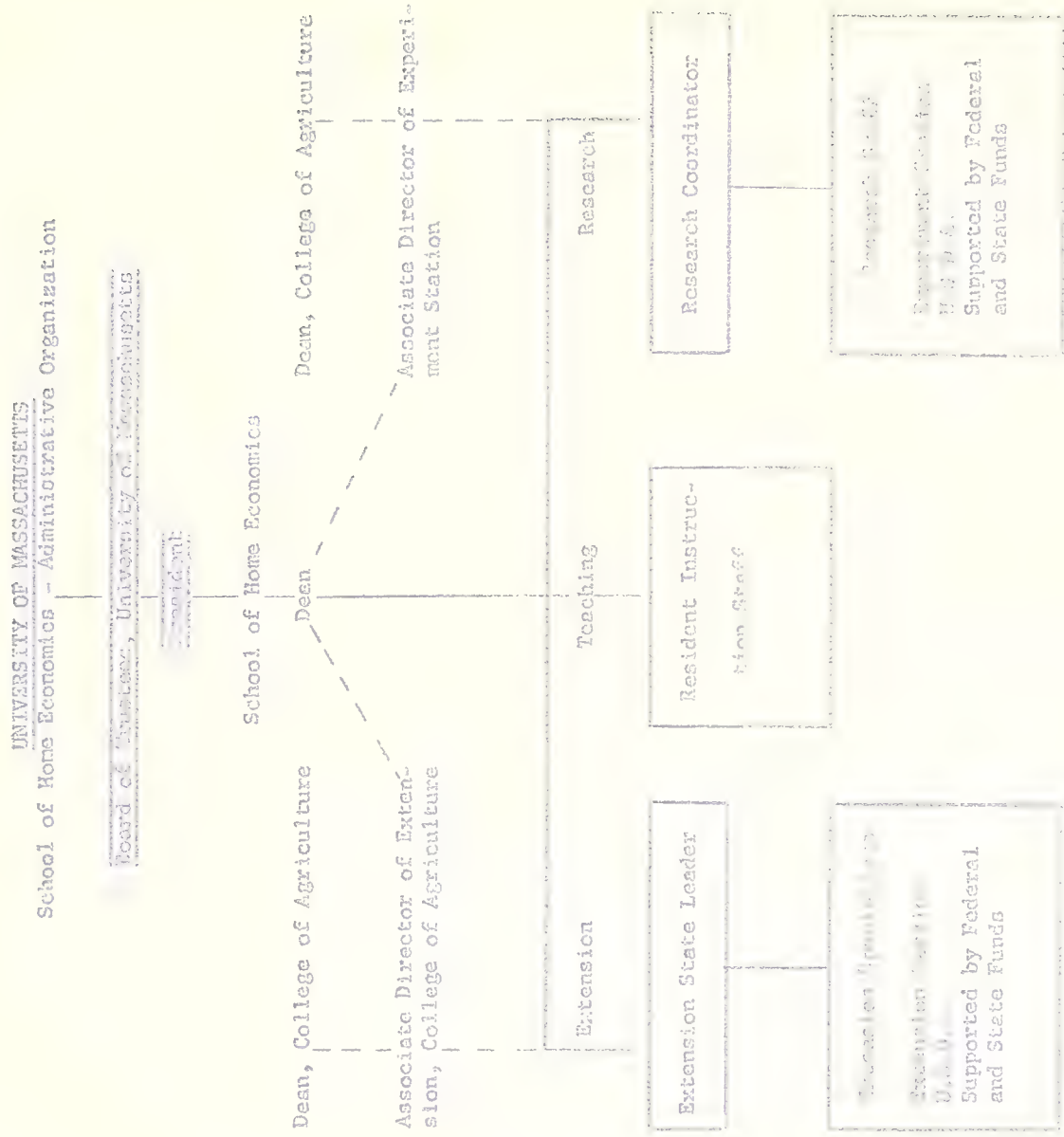
6. Special Projects







3. Organizational Chart (September 1961)



Specialized Programs in Extension, Teaching, and Research

are included in College of Agriculture Report.









## 7. FUTURE PLANS AND NEEDS.

### I. NEW DEVELOPMENT PROGRAM:

September 7, 1961, the School of Home Economics began a development program to evolve a New School of Home Economics to meet current needs. In instigating a development program it was necessary to re-evaluate, reassess and re-design our goals and establish clear priorities as to the new ways in which the School can help young men and women who are preparing for their place in society.

New undergraduate curricula were developed providing a balance of liberal education and dynamic, effective programs of professional training for areas of work. By using the all-university approach--Liberal Education plus Professional Training--the programs are significantly considerably. Areas of sequences in the social sciences, humanities, and natural, physiological and biological sciences which will allow our students to discover and learn basic concepts--will be applied to such subject-matter areas as foods, nutrition, clothing, textiles, related areas, housing, recreation, child development and interpersonal relations, through the functional areas of research, extension and teaching.

The School of Home Economics feels that the success of its professional programs depends on the interrelated discipline approach to knowledge, understandings and applications.

The new curricula will go into effect the Fall of 1962. By training more young people in these new professional programs it is hoped that the shortage of Home Economists will be relieved somewhat. These vacancies include the better-known positions in the fields of foods, nutrition, education at all levels, extension, research in Government, business and industry, health and welfare agencies, and so on.

These programs will also meet the broader demand for Home Economics in many business areas. Speaking in generalities, there are Home Economists in (the field of) such areas as: advertising, public relations, merchandising (chain and wholesale), newspapers, radio, television, and consumer groups with the myriad range of products available in foods, clothing, textiles, housing, equipment and utilities. The purposes of helping the consumer in selecting, buying and using these products for ultimate satisfaction as well as the balancing of consumer dollars in our economy are carried out in many ways.

The School of Home Economics is also interested in the development of extension programs for groups and individuals. The School of Home Economics hopes that qualified young men and women will be interested in this area of opportunity.

Other major developments which the School of Home Economics is considering

a variety of fields. This can be a vital contribution



the School of Home Economics can make to help reduce the great shortage of leaders in all professional areas of Home Economics throughout the country.

2. Enlarge research efforts by broadening the scope of the school's research endeavors. Examples of areas of investigation which need study include the sociological, psychological and economic aspects of consumer wants, purchases and satisfactions; the application of decision-making and management principles and concepts to individual and family-living situations; studies of our value systems in relation to our subject-matter fields; and many other topics.
3. Make a significant contribution in the area of public services for the increasing aging population, in relation to medical care, food, shelter, clothing, work and recreation. This would encompass a variety of activities and would necessitate the assistance of many departments and agencies in the university in carrying out any type of program geared to assisting the aged.
4. Develop ways to meet the need for preparation of women for the complex array of roles they play each day. These roles may include those of consumer, homemaker, mother, community worker, professional leader, professional or service worker in the labor force.

Our concern for the roles of women today includes such aspects as these:

- a. The changing role of woman from producer to consumer of foods and services.
- b. The obligation of woman to continue their intellectual development as they mature so that education becomes a perpetual part of adult life. In this way women can realize their greatest potentialities and in so doing will not only enrich their own lives, but also the lives of those around them.
- c. The responsibility of woman to use their talents through-  
out their lives. Women can be motivated to use their talents in the home, in the community, in the profession, in the nation and the world? There are so many, many capable women in this country whose abilities are being wasted and who could be contributing to scientific and technological developments, significant research activities and many professional areas of endeavor.





d. The return of women to the work force. Paradoxical as this may seem to be with the previous statement, we find today that there are 23 million women in the work force as compared to 5 million at the turn of the century. Almost one-third of all married women, and many single women as well, are both workers and homemakers. It has been estimated that with the expected population growth in the near future, by 1970 there will be an increase of 25% of women workers as compared with a 15% increase for men.

5. Provide programs and training for women who return to the labor force when their children are in school - this is usually between the ages of 33 - 45. Many of these women at this time go into service or trade industries. Others are returning to teaching.

Previously mentioned was the need for professional training of women at the undergraduate and graduate levels. Now it is important to consider re-training the women who return to the work force after periods of raising families. We need to work hand-in-hand with business and industry in aiding women to make the transition back into the labor market. We can and should provide refresher courses which will bring women up-to-date on new knowledge, new techniques and procedures, and current resources and developments of all types. Our plans to be expeditiously put into effect here for education to be of service to these women.

## II. INSERVICE TRAINING OF FACULTY:

Two aspects of training will be approached beginning January 1962. These in-

1. Inservice training seminars for faculty on Methods of Research in the Behavioral Sciences--to be given by the Dean.
2. Guidance by Dean to individual staff members on raising the academic standard of course content, methods of teaching, resources for references, etc.

## III. PERSONNEL:

Personnel: As the new program of curricula is put into effect it is expected that there will be increased enrollment. To meet the needs of the new programs as well as larger numbers of students it will be necessary to obtain more qualified staff members. Before further graduate work and broader programs of research can be instigated, again more qualified staff are needed. These needs will be specified in the near future.

A recent communique to Provost Woodside indicated our request for a new research position in the Nutrition area. A qualified person filling this position would help to strengthen and expand present graduate courses and assist



Equipment and Facilities:

In order to provide modern facilities and equipment for our classes and to bring us up-to-date as a School of Home Economics competing with other schools of home economics in the state, New England and the rest of the country, some new classroom furniture and equipment for class use is essential at this time. Specific needs will be itemized and presented in the immediate future.

IV. SUMMARY

As the School of Home Economics begins the new year it is paramount that it have an effective publicity and recruitment program to let the public know about the new educational programs we will have to offer in fall 1962, and about the many, many job opportunities that are open to home economists in the varied professional areas at all levels. It is vital at this point for obvious reasons that we get more students enrolled in the School. To these ends a committee has been established and a program drawn up to accomplish these goals. It will be necessary to have administrative support on this project. The proposed program for these activities will be presented to the President and Provost in the immediate future. Other developments will evolve as soon as feasible.

Respectfully submitted

*Marian A. Niedzwiedz*

Marian A. Niedzwiedz, Dean  
School of Home Economics

MAN:dem



UNIVERSITY OF MASSACHUSETTS

School of Nursing

ANNUAL REPORT

October 1, 1960--September 30, 1961



UNIVERSITY OF MASSACHUSETTS

School of Nursing

ANNUAL REPORT

October 1, 1960 - September 30, 1961

TABLE OF CONTENTS

	Pages
General Information .....	1-4
The Dean's Review .....	5-11
Appendix .....	12-22





UNIVERSITY OF MASSACHUSETTS

School of Nursing

ANNUAL REPORT

October 1, 1960 - September 30, 1961

1. Appropriation:

1959-60	\$13,025.00
1960-61	\$10,530.00
1961-62	\$18,300.00

2. Personnel:

	Number of Personnel		
	Sept. 1960	Sept. 1961	Sept. 1962
Dean	1	1	1
Professor	0	0	1
Associate Professor	3	3	3
Assistant Professor	2	1	20
Instructor	3	5	300
TOTAL	8	10	10

\* 1 Assistant Professor - Mental Health Clinic  
 \* 1 Instructor - Mental Health Clinic

3. Organizational Chart:

Chart is enclosed in relation to University - page 10  
 Chart is a yearly organization of the School of Nursing - page 14

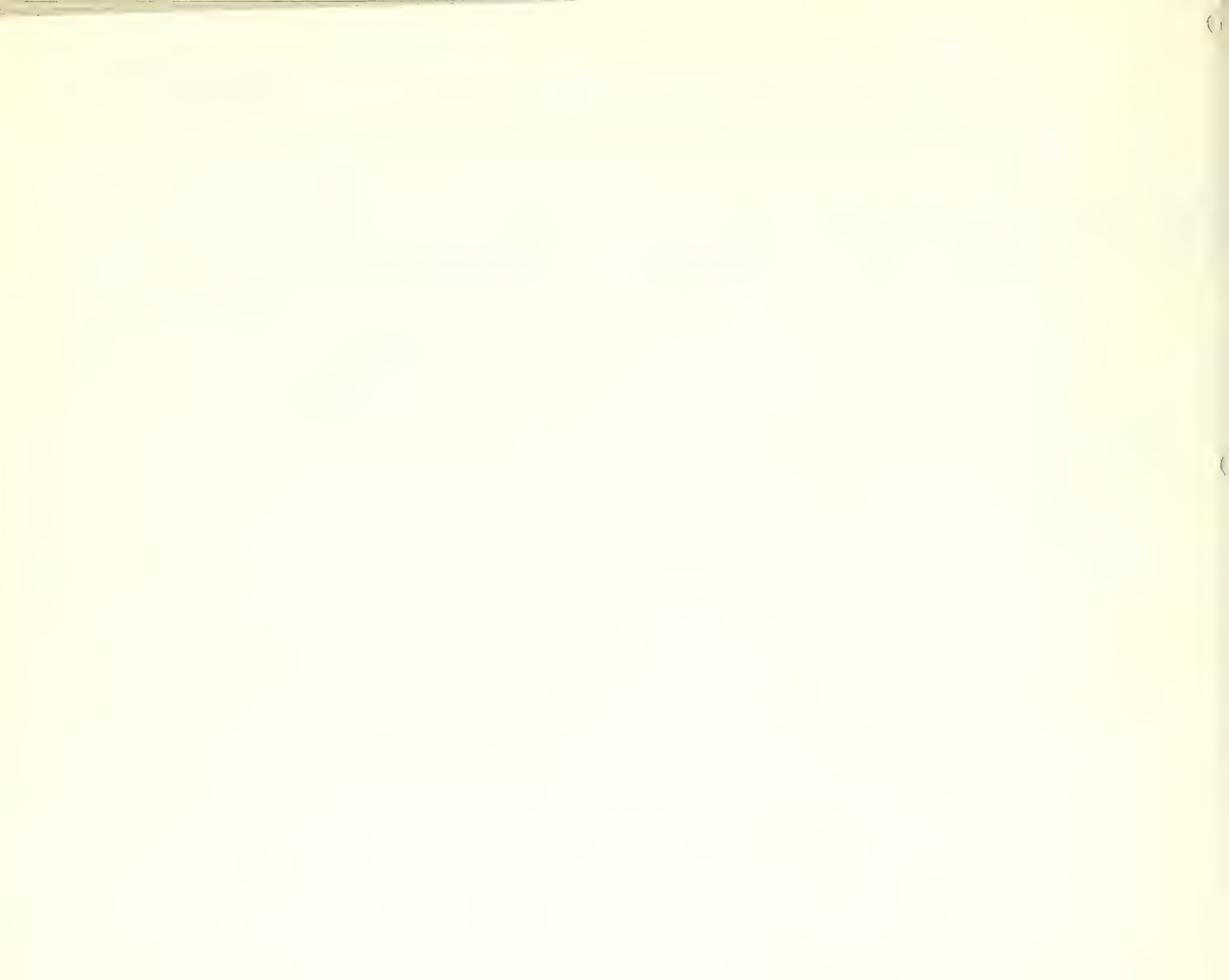
4. Students:

	Sept. 1960	Sept. 1961	Sept. 1962
Number of majors	97	109	101
Number of non-majors enrolled	20	21	Three not planned

\* Three un-related work conferences for employed graduate  
 professional staff.













5. Library publications, research projects, research projects and other professional activities:

a. Periodical Publications:

N. Smith, G. Nyder, R. W. May, & V. Skogberg. A Program for Improving Geriatric Nursing in Sweden. National League for Nursing publication, 1961.

Researching Study for Legislative Research Council, Commonwealth of Massachusetts, published as:

"Geriatric Research III - Study relative to Establishment of Nursing Education Program in General Hospital and Soldiers' Home, Chelsea, Mass."

Prepared by Lucy E. Donaldson, Associate Professor of Nursing Education and published by the Commonwealth of Massachusetts.

b. Books:

a. National Institute of Mental Health:

Referring to July 1956, an initial grant was made to the School of Nursing for the purpose of incorporating psychiatric nursing throughout the basic nursing program. The grant has been renewed annually and expires as of August, 1962. Total grant to date \$45,200.00 (86% of this total allocated to University overhead).

a. Massachusetts Society Public Health Association:

A grant of \$500.00 was made to the School of Nursing in 1961. The grant may be used for scholarships to students for tuition in public health nursing field courses and for the teaching of courses related to tuberculosis and public health nursing.

b. Social Problems of Women:

One of the psychiatric nurse faculty members is presently reflecting this in the clinical situation related to Study of Alcohol, Stress and Depression in the Clinical Nursing Courses. It is anticipated that the study will effect curricula and teaching.



## Future Plans and Needs of the School of Nursing

### The Dean's Review

Four broad areas have been selected in developing the 1960-61 report of the School of Nursing basically because these areas will continue to demand priority in the immediate years ahead. Each area is developed briefly in the light of the progress made, needs, and future plans of the School:

- Area I - Curriculum Reconstruction
- Area II - Expansion of the Generic Nursing Program
- Area III - Development of an Undergraduate Program in Nursing for Graduates of Diploma and Associate Degree Programs
- Area IV - Participation in Regional and State Planning for Programs in Nursing Education

### Area I - Curriculum Reconstruction

After seven years of study and experimentation, it became possible for the faculty to reconstruct the basic nursing program and to thereby recommend a shorter program. The new program consists of four academic years and one five week summer session and was submitted to, and approved by, the Massachusetts Board of Registration in Nursing, May 23, 1961 and accepted by the Undergraduate Course of Study Committee of the University, June 27, 1961. Presently, 48.7% of the program includes academic courses which are given by the College of Arts and Sciences, and the School of Home Economics and Physical Education. 51.2% of the courses approximate the major in nursing.

The above action is in harmony with the recommendations of the Accrediting Services of the National League for Nursing; the pattern of a four academic year program for basic collegiate nursing programs throughout the country; and the patterns of undergraduate professional education at the University of Massachusetts.

In effecting the curriculum reconstruction, the nursing faculty focused on the refinement, integration, and coordination of the courses constituting the nursing major. As an initial step, such an approach can be justified, however, total curriculum reconstruction and enrichment is equally dependent upon the nature of the courses offered in the foundation courses which are contributory to the major in nursing. The curriculum must be viewed as a whole and as the instrument by which the educational objectives of the nursing program are achieved.

The nature of the courses in the nursing major are essentially unchanged. Agreements with the original referred cooperating





agencies<sup>1</sup> providing the clinical setting for supervised nursing practice, with one exception, have continued. Our long and pleasant association with The Haven Hospital, Belmont, Mass., (90 miles from Ashcroft), which provided the clinical setting for the teaching of psychiatric nursing for six years, was discontinued in 1961 after a careful evaluation of the psychiatric resources and facilities in Western Massachusetts.

The faculty's decision to utilize psychiatric settings in Western Massachusetts was made primarily because of the desirability of teaching psychiatric and public health nursing concurrently over a semester rather than in two separate blocks of eight (8) weeks each. Additional factors included the possibility of utilizing the educational services of the University Psychologist; the trend in psychiatric care to treat the patient while living with his family and in the community through the services of a Psychiatric Day Care Center; the practice of psychiatric hospitals to segregate patients with a good prognosis on intensive care units; the availability of two such facilities, namely, The Day Care Center, Springfield Mental Hospital, and the new Addiction Building at the Northampton State Hospital in Western Massachusetts and of the interest of the professional staffs of the Day Care Center and Hospital in collaborating with our faculty.

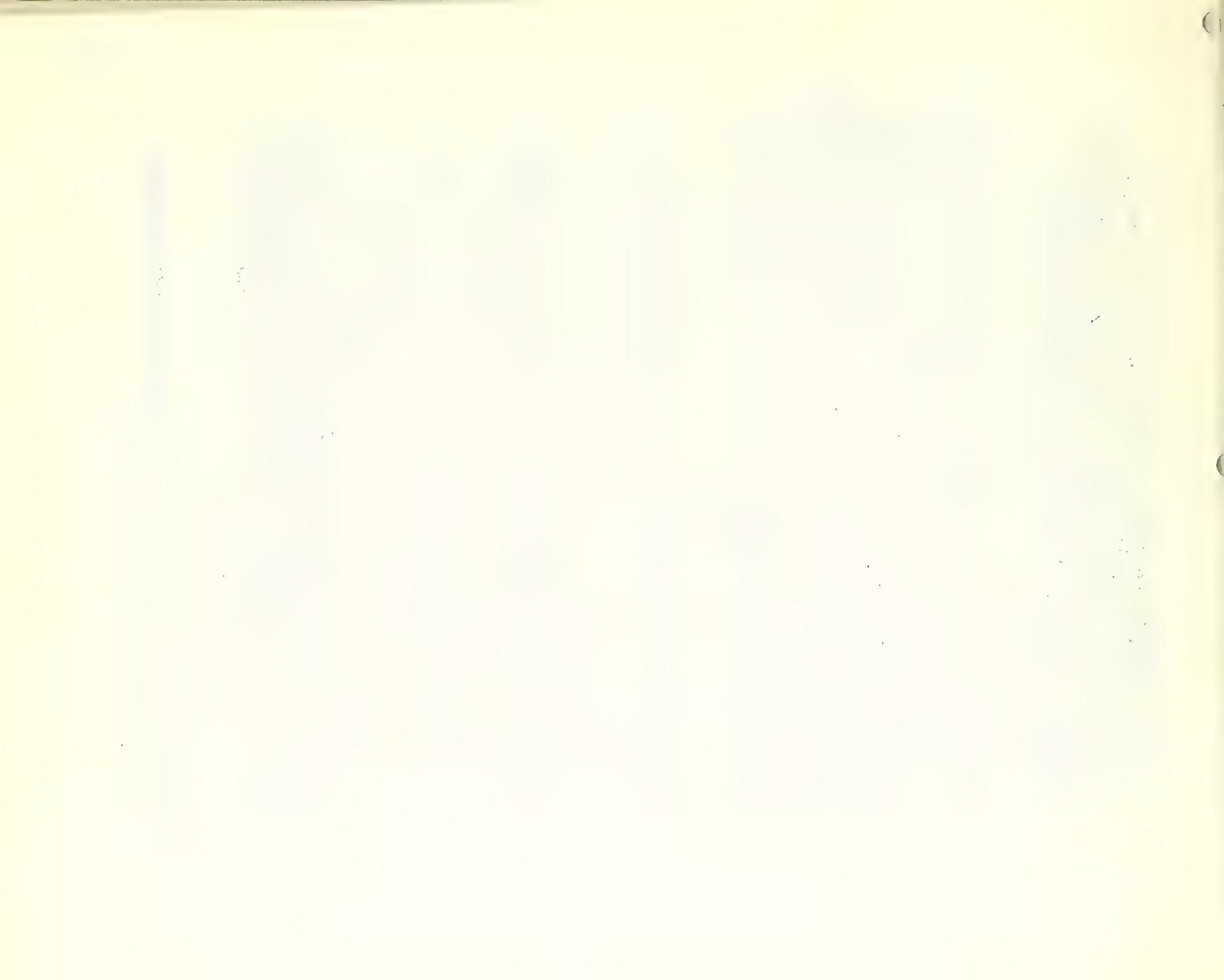
Total curriculum reconstruction will necessitate collaboration with the College of Arts and Sciences. ✓ The dependency of the School of Nursing upon the College becomes clear when one appreciates that 59 of the 73 academic credits are offered by nine of the departments within this College.

The needs of the professional nursing program must be interpreted even more clearly and concisely to the College of Arts and Sciences. Communication over a period of six years has been ineffectual, for instance, as regards the content of the three courses in Chemistry (116 credits; 36½ hours) offered to the students of nursing.

The need for planning periodic meetings of the academic faculty and the faculty of the School of Nursing for the purpose of interpreting the needs of our professional program must be given high priority in 1961-62 if total curriculum reconstruction is to be achieved.

Continuation of the Mental Health Grant from 1956 to August 31, 1962 has made it possible for a faculty member, employed under this grant, to participate directly in the nursing courses, and to serve as a resource to both faculty and students. An extension of the grant was requested and a new application has been submitted to the National Institute of Mental Health. It is anticipated that the Advisory Committee will recommend continuation of the grant.

<sup>1</sup> Springfield B. Hosson Rectory Hospital, Springfield Health Department, and Visiting Nurse Association of Springfield.



## Area 1 - Expansion of the Generic Baccalaureate Program

As the number of qualified and highly motivated high school graduates seeking admission to baccalaureate programs in nursing increases, it can be anticipated that the University of Massachusetts School of Nursing will be expected to expand each year.

Whereas the admission of freshman students to the nursing program has not exceeded forty (40), it may be anticipated that this figure could expand to 50 in 1964; 75 in 1965; and 100 in 1966. Within the next ten years, the total enrollment of the School may anticipate to be close to 400.

Expansion of the generic nursing program is dependent upon many factors such as 1) the ability to recruit and retain qualified nursing faculty so that the clinical nursing faculty-student ratio will not exceed 1:10; 2) maximum utilization of the existing clinical resources and facilities for the teaching of nursing and the development of a second clinical division; 3) dormitory expansion for women at the University so as to provide housing for the students of nursing throughout the entire program; 4) facilities for the transportation of students to and from cooperating agencies; and, 5) full-time secretarial services at the Springfield Clinical Division and at subsequent clinical divisions as developed.

✓ It has been estimated that at least 1/5 (20%) of the professional nurse practitioners should presently be prepared in a baccalaureate program in nursing, (1953-60 8.2%), and that 13% of the graduates of such programs should be encouraged to become prepared for teaching and leadership positions through graduate study in nursing.

✓ Graduates of the generic baccalaureate program in nursing are the sources of supply for the professional practitioner of the future who must assume an increasing responsibility for independent nursing practice, and for the graduate programs in nursing (presently 43 Masters Programs) which are assuming the responsibility for preparing faculty for schools of nursing, administrators, supervisors, and consultants.

The resources for graduate study in nursing presently appear adequate. Concerted effort must be made to interest the graduates of the baccalaureate program to become prepared in a functional specialty.

The number of nurses graduating from the 43 Masters Programs in 1959-60 (1197) has caused considerable concern to the nursing profession, especially when it is appreciated that but 521 of the graduates were prepared for teaching during this period in schools of nursing.

! The National League for Nursing, NURSING FOR A GROWING NATION, New York, The League, 1957, p. 21.





### MASTERS PROGRAMS<sup>1</sup>

Functional Specialty	Educational Units Reporting Enrollments	Graduations 1959-60
Teaching	35	521
Admin: Service	24	231
Supervision	16	133
Admin: Education	16	119
Nursing Practice	10	117
Superv: Teaching	7	59
Consultation	3	17
Other	2	0
<b>TOTAL</b>	<b>43</b>	<b>1197</b>

U.S. Four of the graduate programs are in New England; 3 Eastern, 1 Connecticut.

The number of graduates from nursing programs leading to a doctoral degree over a five (5) year period is far less than desirable but nevertheless encouraging. An increase in enrollment may be anticipated as the qualified graduates of the Masters Programs in Nursing are encouraged to initiate and complete the requirements for a doctoral degree; and as scholarships and fellowships become more readily available. Presently, four (4) universities offer doctoral programs with a major in nursing and eight (8) additional universities offer a doctoral program wherein the School of Nursing collaborates with a second discipline within the university<sup>2</sup>.

Enrollment of Graduates in Nursing Programs  
Leading to a Doctoral Degree  
1956-57 through 1960-61<sup>3</sup>

Year	Total Enrollment Full-time	% Full-time	Graduations
1960-61	132	69	52.3
1959-60	124	73	58.9
1958-59	113	61	54.0
1957-58	90	54	60.0
1956-57	61	35	57.4

<sup>1</sup> National League for Nursing. SOME STATISTICS ON NURSING EDUCATION, 1960, New York, The League, Department of Baccalaureate and Higher Degrees Program. (Unreproduced material) 7/16/61. J



2 The National League for Nursing. "Post Masters Education in Nursing", NURSING OUTLOOK, September, 1961. p. 555.

3 Ibid. p. 553.

ways and means of 1) increasing the number of qualified students in generic baccalaureate programs in nursing, 2) accelerating the preparation of faculty for schools of nursing, and leadership positions, 3) the financing of nursing education are among the several problems being studied by the Commission on Nursing appointed by President Kennedy.

### Area III - Development of An Undergraduate Program for Graduates of Diploma and Associate Degree Programs

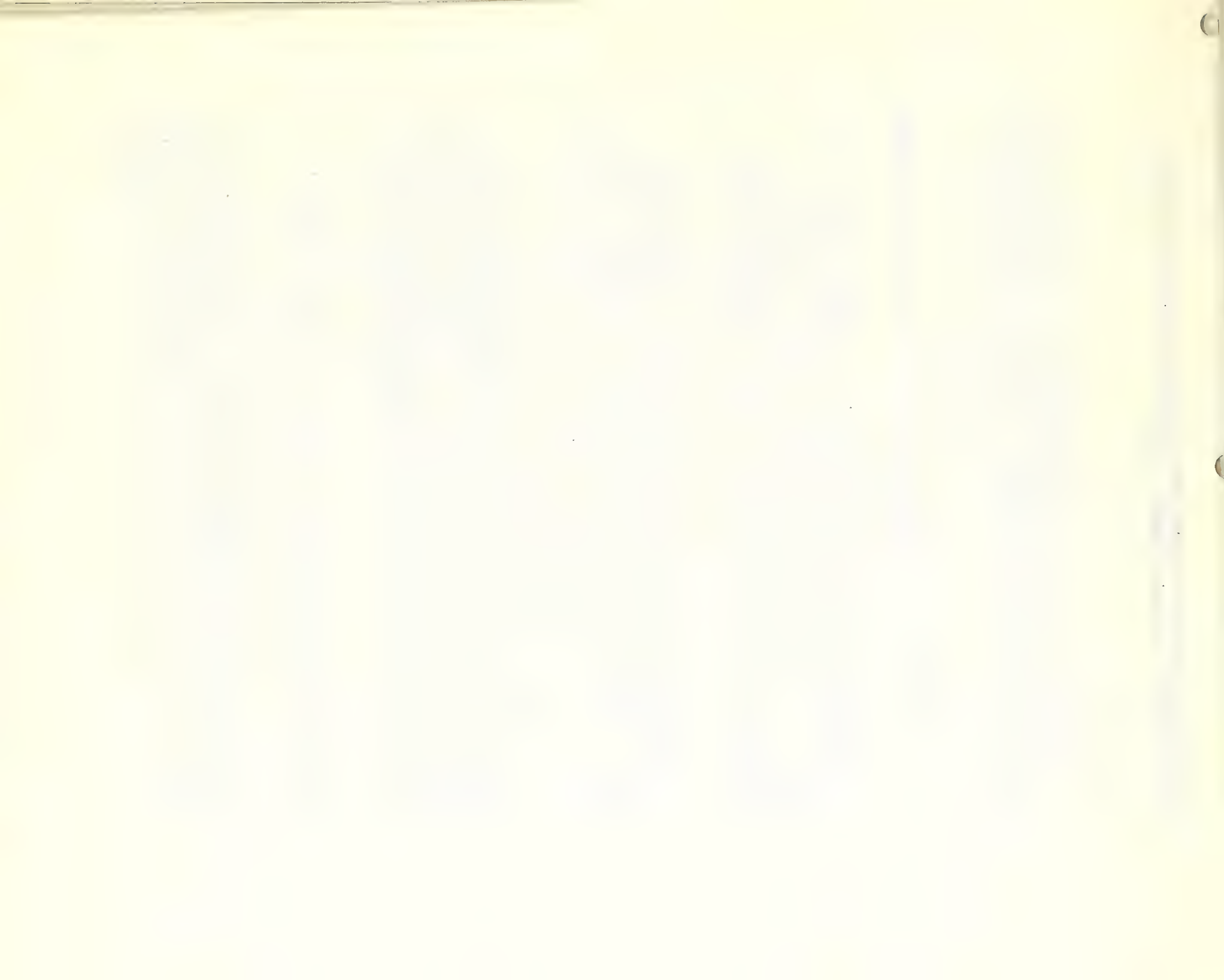
✓ Recent graduates of diploma programs are seeking admission to an undergraduate program in nursing leading to a baccalaureate degree in increasing numbers. The number of registered nurses completing baccalaureate programs in nursing each year continues to rise. In 1958, 33% of the R.N. students were enrolled in full-time study; in 1959, 38%; and in 1960, almost 41%. Seven institutions now admit registered nurses into their basic programs in professional nursing rather than into a special program for graduate nurses.

Since the initiation of the nursing program at the University of Massachusetts, over three hundred (300) written inquiries have been made by graduates of diploma programs, hospital administrators, and directors of schools of nursing regarding a program for registered nurses. Telephone calls from a representative and Senator for the General Court of Massachusetts have reflected their interest in the needs of their constituents.

✓ In 1958-60, 25,200 students of nursing graduated from the 908 diploma programs. That value is inherent in a baccalaureate program in nursing have been more apparent to the young graduates in particular, as well as to many of the married nurses who wish to return to nursing after their children have become school age. ✓ The number of graduates of associate degree programs is steadily increasing, and while preparation for nursing in community colleges is developed as a terminal program, yearly many of the graduates are seeking admission to baccalaureate degree programs.

None of the five land grant colleges in New England with basic professional nursing programs has established a program for the graduates of diploma and associate degree programs.

The many factors involved in the development and maintenance of such a program will be exacting and demanding of time. It is essential that the responsibility be assigned to a qualified faculty member who has the zeal and interest essential for the initiation of such a program. Within a few years after the program is finally launched, it is highly conceivable that this educational opportunity may be offered to graduate





increase within the New England region through the cooperative arrangement of the Land Grant colleges.

Cooperation with the Department of Sociology has made it possible for a few registered nurses to secure a baccalaureate degree with a major in sociology. The School of Nursing has further demonstrated its interest in the problems of the employed registered nurses, and since 1927 has offered thirteen (13) job-related conferences. The total number of employees was 263.

#### Area IV - Participation in National and State Planning for Programs in Nursing Education

Within the New England Board of Higher Education, there is a tremendous interest in the improvement of nursing education and thereby the nursing services to people. Preliminary plans have been developed by the Executive Secretary of the Board, with the Deans and Directors of the schools of nursing collegiate program in New England. Essentially, the group wishes to approach the problems of nursing education in a manner similar to that of the Western Interstate Commission for Higher Education. The preparation of nursing faculty for basic collegiate schools of nursing was included in the preliminary plan. When such a plan is developed, inter-university planning, collaboration, and participation on a regional basis will go forward. While the initial request for foundation support has not been realized, new sources of funds are being explored by the Executive Secretary of the Board.

As the number of Community Colleges in Massachusetts increases, the foundation on Community Colleges is conscious of the need for sound planning for nursing programs with these colleges. The member of our faculty has become exceptionally well prepared, both by study and direct participation in the development of the first nursing program in a Community College. She is qualified to serve as a consultant and her services have already been sought by the Executive Director of the Massachusetts Commission on Community Colleges. It is highly desirable that consultation services from the clinical nursing faculty prepared in a nursing specialty may be requested by Community Colleges as the nursing programs begin to concern themselves with the clinical area.

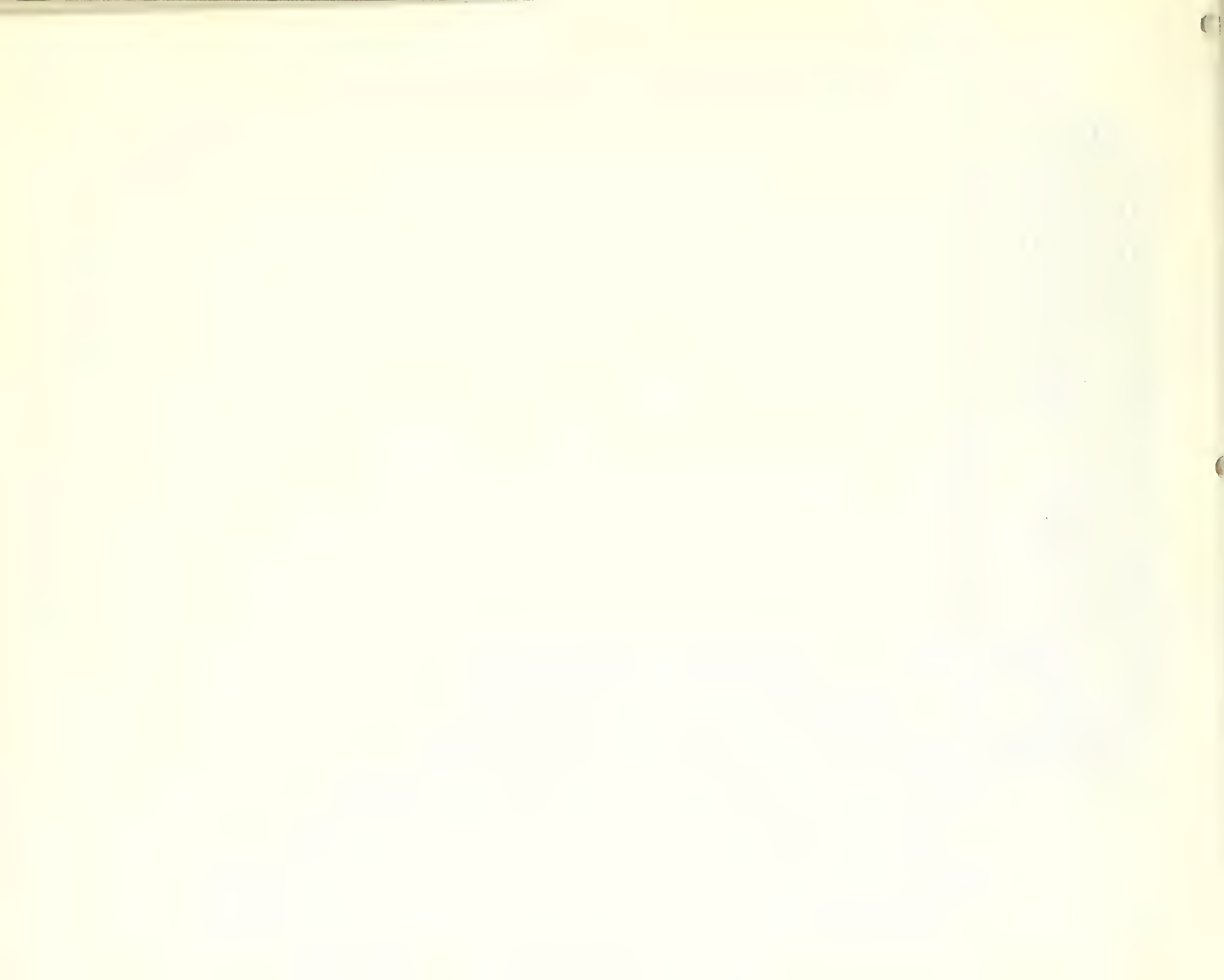
The interest and the feeling of responsibility of the faculty for extending consultation services to schools of nursing within the Commonwealth has continued since the initiation of the program. Indeed, the several requests received within the present year is but one evidence of the high esteem in which the faculty is held throughout the state.





The accomplishment of the tasks and the achievement of the goals inherent in the four areas identified will require the continued interest of a dedicated nursing faculty; the appointment of additional nursing faculty; the development of a second clinical division; faculty reorganization; greater collaboration between the School of Nursing and the College of Arts and Sciences; and the sustained administrative understanding and support which the school has experienced since its founding in 1953.

The School of Nursing must assume its social and professional obligation in nursing education.



A P P E N D I X

A. *Geology and Hydrology*

B. *Geology and Hydrology*



SUMMARY ACTIVITIES

October 1, 1960 - September 30, 1961

In addition to their regular administration, teaching and counseling activities, the faculty of the School of Nursing has participated individually and collectively as follows:

A. Participation in the planning and implementation of educational and other services within the University.

1. All-University Committees/Committees:

- Miss Ryan
- Library Committee - Member (Fall Semester)
- Miss Weber
- Faculty Committee on Honorary Degrees - Member
- University Senate - Member
- Welsh Council - Chairman
- Provost's Administrative Council - Member
- Dean's Luncheon Group - Member
- Inaugural Committee - Chairman
- Program Committee University Centennial Year - Member
- Board of Admissions - Member
- Miss Rosenwald
- Course of Study - Member
- Library Committee - Member (Spring Semester)
- University Open House Committee - Member
- Committee on Commencement and Convocations - Member

2. Discipline

- Discipline Committee - Member

3. School of Nursing Committee Membership:

- Miss Ryan
- Advisory Council to the Dean - Chairman
- Faculty Equal Status, Degrees - Chairman
- Interagency Administrative Committees - Chairman
- Orientation Student Personnel, Library, and Faculty Personnel Committees - Member
- Advisory Panel on Nursing Education - Member
- Advisory Committee on Psychiatric Nursing - Member

4. Other

- Faculty Organization - Member
- Curriculum - Member
- Student Personnel - Member



- Committee on Committees - Secretary
- Honors Committee - Member
- Student Council - Advisor-Block

- Miss Byrne

- Faculty Organization - Member
- Director, Student Personnel, Library Committee - Member
- Committee on Committees - Secretary
- Interagency Administrative Committees  
     - General and Adult Nursing - Member  
     - Public Health Nursing Agencies - Member
- Nursing Club - Advisor
- North Coordinator, School of Nursing Students Health Program
- Advisory Panel on Nursing Education - Secretary

- Miss Clarke

- Faculty Organization - Member
- Curriculum - Secretary
- Student Personnel Committee - Chairman
- Honors Committee - Secretary

- Miss Crowley

- Faculty Organization - Member
- Curriculum Committee - Member
- Library Committee - Member

- Miss Gilmoro

- Faculty Organization - Member
- Student Personnel Committee, Faculty - Student Affairs - Secretary
- Curriculum and Library Committees - Member
- Interagency Administrative Committees  
     - Wasson Maternity Hospital - Member  
     - Springfield Hospital - Member  
     - Public Health Nursing Agencies - Member
- Dean's Advisory Committee - Member

- Miss Gilmoro

- Faculty Organization - Member
- Curriculum and Library Committee - Member
- Faculty Personnel and Committee on Committees - Chairman
- Library Committee Springfield Hospital - Member
- Dean's Advisory Committee - Member
- Interagency Administrative Committees  
     - Springfield Hospital - Member
- Student Council - Advisor

- Miss Goodrich

- Faculty Organization - Secretary
- Curriculum Committee - Chairman





- **Trained Personnel, Library, Quality Personnel - Member**
- **Faculty-Student Affairs Committee - Chairman**
- **Interagency Administrative Committees - Secretary**  
     Springfield Hospital  
     Bellevue Hospital  
     Washburn Memorial Hospital
- **Public Health Agencies**
- **Advisory Panel on Nursing Education - Member**
- **Advisory Committee on Psychiatric Nursing - Member**
- **Nurses Committee - Chairman**
- **Records Committee - Member**
- **Gene's Advisory Council - Secretary**

- **Mr. Melvin's**

- **Faculty Organization - Member**
- **Faculty Personnel - Secretary**
- **Curriculum and Student Personnel Committees - Member**
- **Student-Faculty Affairs - Member**
- **Interagency Administrative Committee**  
     Walden Hospital - Member
- **Advisory Committee on Psychiatric Nursing - Secretary**
- **Intercollegiate Coordinating Committee on Psychiatric Nursing - Member**
- **Nursing Club - Advisor-elect**

**4. Participation in the planning and implementation of programs related to the improvement of patient care and nursing education:**

**1. Professional Activities:**

- **Miss Baker**

- **Chairman, N.A.N. Committee on Careers**
- **Member, Department of Consultants and Higher Degree Programs, N.A.N.**
- **Member, Early Section, N.A.N.**
- **Member, Board of Directors, N.A.N.**
- **Member, Task Force on Organization, N.A.N.**
- **Member, New England Regional Conference for Public Health Nursing Education and Member of Steering Committee**
- **Member, Nurse Educator Council of State Leagues for Nursing**
- **Member, Council of Colleges for Nursing Council, New England Board of Higher Education**
- **Program Committee Coordinator, N.A.N. and District 1, N.A.N.**

- **Miss Correll**

- **Member, Department of Consultants and Higher Degree Programs, N.A.N.**
- **Member, Early Section, N.A.N.**
- **Member, Sigma Theta Tau**
- **Program Coordinator, District #1, N.A.N.**

- **Miss Gering**

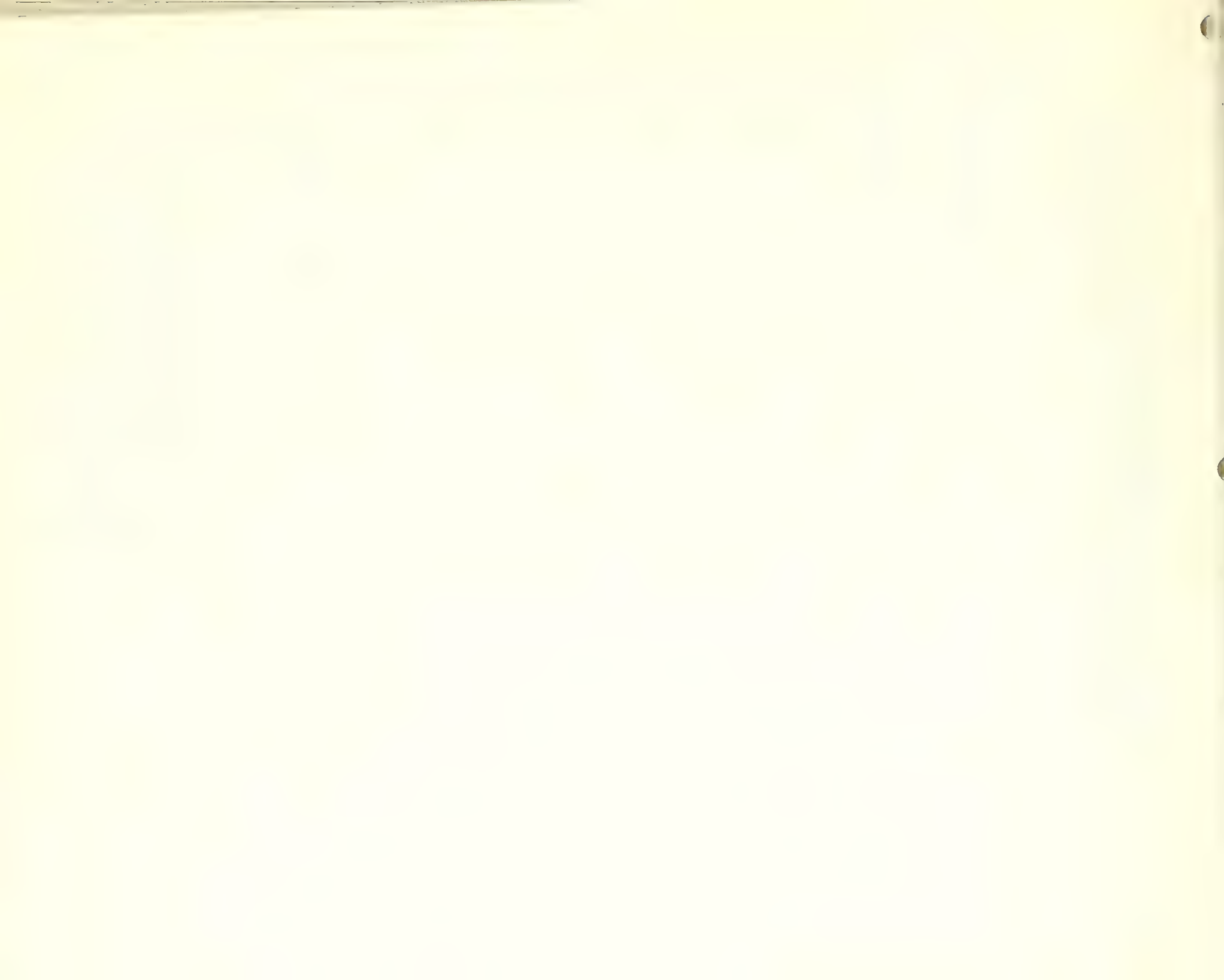
- **Member, Department of Consultants and Higher Degree Programs, N.A.N.**
- **Member, Department of Consultants and Higher Degree Programs, N.A.N.**



- Member, Public Health Nursing Section, N.N.A.
  - Member, New England Conference for Public Health Nursing Education
  - Member, Mass. Public Health Association and Member of Nominating Committee
  - Nominating Committee, N.N.A.
- Miss Clark
- Member, Department of Baccalaureate and Higher Degree Programs, N.N.A.
  - Member, EAST Section, N.N.A.
- Miss Crowley
- Member, Department of Baccalaureate and Higher Degree Programs, N.N.A.
  - Member, EAST Section, N.N.A.
- Miss Dinicola
- Member, Department of Baccalaureate and Higher Degree Programs, N.N.A.
  - Member, EAST Section, N.N.A.
  - Member, Committee on Careers in Nursing, N.N.A.N.
  - Member, Scholarship Committee, N.N.A.
  - First Vice-President, EAST Section, District #1, N.N.A.
  - Board Member, N.N.A.N.
- Miss MacDonald
- Vice-President, Department of Baccalaureate and Higher Degree Programs, N.N.A.
  - Member, EAST Section, N.N.A.
  - Member, New England Regional Conference for Public Health Nursing Education
  - Member, N.N.A.N. Committee on Community College Programs
  - Baccalaureate, Legislative Committee, N.N.A.
- Miss Gilmartin
- Member, Department of Baccalaureate and Higher Degree Programs, N.N.A.
  - Member, EAST Section, N.N.A.

2. Active Activities:

- Miss Kohar
- Member, Advisory Committee, Study of the Role of the Nurse in the Post-Recent Community, Boston University Dean's Institute Center
- Member, Advisory Committee, Franklin County Public Hospital School of Nursing
- Member, Board of Incorporators, Franklin County Public Hospital



Member, Board of Registration in Nursing, Commonwealth of Mass.

Member, Dean's Advisory Committee to Lowell State Hospital

Director of Nursing

Member, Editorial Board of Nursing Research

Member, Board of Directors, Wendell County Public Health Association

Member, Advisory Council, Nursing Home Project, Boston College School of Nursing

Member, National Foundation Scholarship Committee

Member and Member, Planning Committee, Institute on Schools of Nursing

Member, School Nurses Organization at the University

Speaker, Signs of the Year, Boston University School of Nursing

Speaker, Nurse of the Year - Miss Wheeler - Dinner Meeting

Speaker, New England Hospital Assembly, Boston, Collegiate Nursing Education

Speaker, St. Catherine of Siena Nurses Society, Boston College School of Nursing

Miss Baroli

Participation in presentation of work conference on Team Nursing

to graduate nurses, June 26 - July 7, 1961

Participation in meeting with faculty of Bishop Memorial School of Nursing, Pittsfield, Mass.

Participation in meeting with faculty of St. Luke's Hospital School of Nursing, Pittsfield, Mass.

Participation in meeting with faculty of St. Luke's Hospital School of Nursing, Pittsfield, Mass.

Participation in Medical-Surgical Nursing

Miss Byrnes

Member, Public Health Nursing Committee, Franklin County Public Hospital School of Nursing

Member, State's Advisory Committee for Public Health Nursing

Member, Board of Health

Member, Mass. Department of Public Health, Nursing Section, Committee on Field Experience for Collegiate Nursing Students

Member, Nursing Council, Community Council of Springfield

Participant on panel, Mass. England Regional Conference for Public Health Nursing, Role of the University Faculty Member in Planning, Supervising, and Evaluating Field Experience in Public Health Nursing for Collegiate Nursing Students

Participant in conference on Natal Mortality Reduction given for Public Health System in Pittsfield by the Association for Mental Retardation and the V.N.A. May 2, 1961

Participant in a research study being conducted by the S.L.N. Committee on Fellowships and Awards

Part Conference leader on Team Nursing to graduate nurses.

June 26 - July 7, 1961

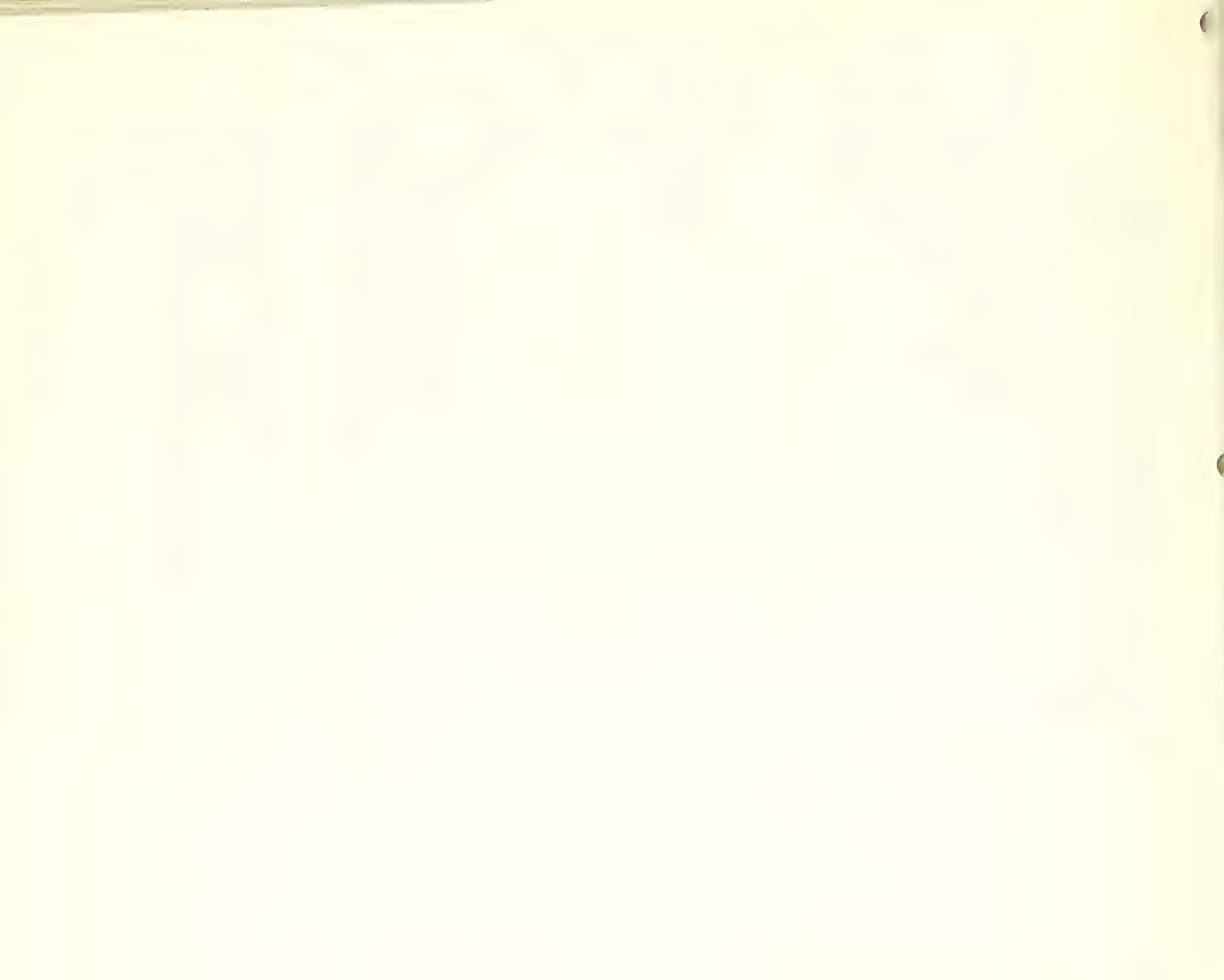
Miss Crowley

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Participant in a research study being conducted by the S.L.N. Committee on Fellowships and Awards

Part Conference leader on Team Nursing to graduate nurses.

June 26 - July 7, 1961





- Miss Gilmore

- Participation in Department of Educational and Higher Degree Programs Regional Conference for Teachers of Suburban and Child Health Nursing, Philadelphia, March 22-26, 1961

Member of steering committee planning and implementing the program.

- Miss Gilmore

- Participation in study done by graduate students at Boston University School of Nursing to select learning experiences relating to courses with specific nursing problems for students in Medical-Surgical Nursing

- Speaker to groups on careers in Nursing

- Miss Macdonald

- Member, Advisory Committee for Regional Nursing Education Program, Boston Junior College

- Member, Executive Ad Hoc Council, Worcester College

- Member, Technical Advisory Committee, Nursing Home Project, Boston College School of Nursing

- Speaker, N.L.S. Committee on Careers, Careers, Mass., October 8, 1960

- Speaker, Conference on Educational Standards, N.L.S., Amherst, Mass., October 18, 1960

- Speaker, Inservice Education Program, Veterans' Administration Hospital, Rutland Heights, November 18, 1960

- Speaker, Capping Exercise, Springfield Hospital School of Nursing, February 23, 1961

- Graduation Address:

Spice Hospital School of Nursing, Splice, Mass., October 5, 1960  
 Lowell Shattuck Hospital, May 17, 1961

- Consultant in Nursing Education

Franklin County Public Hospital School of Nursing, Greenfield, Mass.

- Member, Board of Regional Community College, Commonwealth of Mass. Governor and member of Fact-Finding Study for Legislative Research Council, Commonwealth of Mass.

- Participant, Senior Nursing Seminar, Children's Hospital School of Nursing, April 26, 1961

C. Faculty of Lectures on Hygienical Nursing.

<u>Date</u>	<u>Meeting</u>	<u>Place</u>	<u>Faculty Member</u> <u>Attending</u>
Oct. 5, 1960	Director of Mass. Nurses Association	Springfield, Mass.	Miss Crowley Miss Gilmore Miss Maher
Oct. 11, 1960	Western Mass. Nurses Assoc. Conference	Springfield, Mass.	Miss Carroll
Oct. 11, 1960	Central and Eastern Division of N.L.S. Meeting on Educational Standards.	Amherst, Mass.	Miss Byrne Miss Gilmore Miss Macdonald (Secretary)



Date	Meeting	Place	Faculty Member Attending
Nov. 1, 1960	Meeting on Educational Standards (Cont'd.)	Greenfield, Mass.	Miss Maher Presiding Officer
Nov. 8-12, 1960	Annual Meeting, Western Council of Member Agencies - Baccalaureate & Higher Degree Programs, N.L.N.	St. Louis, Missouri	Miss Byrne (Vice-President) Miss DiMaggio Miss Gilmore
Nov. 16, 1960	Annual Meeting, N.L.N.	Boston, Mass.	Miss Maher, President Miss Byrne
Nov. 17, 1960	Annual Meeting, N.L.N.	Boston, Mass.	Miss Carol Miss DiMaggio (Chairman of Inter-divisional Council Program Meeting) Miss Gilmore Miss Maher
Jan. 9, 1961	Annual Meeting, Visiting Nurse Association of Springfield	Springfield, Mass.	Miss Maher Miss Byrne
January 21, 1961	Convention - 150th Anniversary, Mass. General Hospital	Boston, Mass.	Miss Maher Miss Gilmore Miss Macdonald
Feb. 1961	Interdivisional Council, Maternal & Child Health, N.L.N. Meeting Committee	Boston, Mass.	Miss DiMaggio
Mar. 7, 1961	Dept. of Baccalaureate & Higher Degree Programs - N.L.N. - Maternal & Child Nursing Committee Meeting for Regional Conference	New York, N.Y.	Miss DiMaggio (Member of Planning Committee)
Mar. 20-25, 1961	Regional Conference - Part - I - Dept. of Maternal & Child Nursing Program	Philadelphia, Pa.	Miss DiMaggio
Apr. 4-6, 1961	Workshop in Family Development, Mass. General Hospital - Springfield	Ashurst, Mass.	Miss Crowley Miss DiMaggio
Apr. 7-15, 1961	Meeting of Council of Member Agencies, Educational & Higher Degree Programs, Annual N.L.N. Convention	Cleveland, Ohio	Miss Maher



Faculty Member  
Attending

Place

<u>Date</u>	<u>Activity</u>	<u>Place</u>	<u>Faculty Member</u> <u>Attending</u>
Apr. 26, 1961	Annual Meeting, Massachusetts Public Health Association	Amherst, Mass.	Miss Kator
May, 1961	International Council, Hospital & Health, N.E.S. Steering Committee	Boston, Mass.	Miss DiMaggio
May 6, 1961	With Auditorium, Boston Visiting Nurse Association	Boston, Mass.	Miss Kator
Nov 10, 1961	Nursing Care Seminar, "Rehabilitation of Stroke Patients"	Municipal Hospital, Springfield, Mass.	Miss Byrne



UNIVERSITY OF MASSACHUSETTS

School of Nursing

COMMITTEES

1960-61

SCHOOL OF NURSING FACULTY COMMITTEES

Committee on Councils

Mary E. Gilmore, Chairman  
Mary A. Baroll, Secretary  
Evelyn M. Byrne

Faculty Organization

Mary E. Gilmore, Chairman  
Mary E. Macdonald, Secretary  
All full-time faculty

Faculty Personnel Committee

Mary E. Gilmore, Chairman  
Edward E. McElmric, Secretary  
Mary E. Macdonald  
Catherine T. DiNaggio

Faculty Council

Mary E. Macdonald, Chairman  
Elizabeth A. Clarke, Secretary  
All full-time faculty

Faculty Student Affairs Committee

Mary E. Macdonald, Chairman  
Catherine T. DiNaggio, Secretary  
Edward E. McElmric  
Student Representatives &  
Alternates

1961 - C. Sherwood - L. Blonick  
1961B - M. Dubiel - P. Rockwood  
1962 - P. Gray - J. Woodbury  
1963 - N. Vents - A. Carey  
1964 - J. Scott - C. Guarretto

Student Personnel Committee

Elizabeth A. Clarke, Chairman  
Catherine T. DiNaggio, Secretary  
Evelyn M. Byrne  
Mary A. Baroll  
Mary E. Macdonald  
Edward E. McElmric

Elizabeth A. Clarke, Chairman  
Catherine T. DiNaggio, Secretary





SUB-COMMITTEES OF THE FACULTY

Faculty Organization

Honors Committee

Mary E. Macdonald, Chairman  
Elizabeth A. Clarke, Secretary  
Mary A. Baroli

Records Committee

Mary A. Maher, Chairman  
Mary E. Gilmore, Secretary  
Mary E. Macdonald

Library Committee

Evelyn M. Byrne, Chairman  
Edward E. McGinnis, Secretary  
Catherine T. DiMaggio  
Mary E. Gilmore  
Mary E. Macdonald

Curriculum Committee

Integration - Human Growth and  
Development Concepts

Catherine T. DiMaggio, Chairman  
Elizabeth A. Clarke

Public Health Concepts

Evelyn M. Byrne, Chairman  
Mary A. Maher

Integration - Mental Health Concepts

Edward E. McGinnis, Chairman  
Elizabeth A. Clarke  
Mary E. Macdonald

Social Research and Family  
Counseling

Mary E. Macdonald, Chairman  
Evelyn M. Byrne  
Elizabeth A. Clarke  
Edward E. McGinnis

Integration - Principles of Management  
in Hospital Nursing Service

Mary A. Maher, Chairman  
Mary E. Gilmore, Secretary  
Mary E. Macdonald

Advanced Nursing (Course Content)  
4-Year Program

Mary E. Macdonald, Chairman  
Catherine T. DiMaggio  
Mary E. Gilmore

Teaching Facilities and Resources  
in Psychiatric Nursing

Edward E. McGinnis, Chairman  
Mary A. Maher

Evaluation

Mary E. Gilmore, Chairman  
Evelyn M. Byrne  
Mary E. Macdonald

Graduation

Mary E. Macdonald, Chairman  
Mary A. Baroli  
Catherine T. DiMaggio

Alcoholism and Drug Addiction

Evelyn M. Byrne, Chairman  
Elizabeth A. Clarke



Interagency Committees

Springfield Hospital

Mary A. Maher, Chairman  
Mary E. Macdonald, Secretary  
Catherine V. DiNaggio  
Mary E. Gilmore

Massachusetts Hospital

Mary A. Maher, Chairman  
Mary E. Macdonald, Secretary  
Evelyn H. Byrne  
Catherine T. DiNaggio

Reuben Hospital

Mary A. Maher, Chairman  
Mary E. Macdonald, Secretary  
Edward E. McManis

Springfield Health Department & The  
Visiting Nurse Ass'n. of Springfield

Mary A. Maher, Chairman  
Mary E. Macdonald, Secretary  
Evelyn H. Byrne  
Catherine V. DiNaggio

Advisory Committees

Advisory Panel on Nursing Education

Evelyn H. Byrne, Secretary  
Mary A. Maher  
Mary E. Macdonald  
Clinical Faculty Representative

Advisory Committee on Psychiatric Nursing

Edward E. McManis, Secretary  
Mary A. Maher  
Mary E. Macdonald  
Clinical Faculty Representative

University Committee

Mrs. Maher

Faculty Senate  
Health Council, Chairman  
Provost's Administrative Council

Mrs. Macdonald

Course of Study

Intercollegiate Coordination Committee  
(Psychiatric Nursing)

Mary A. Maher, Chairman  
Mrs. Dorothy Butler, Secretary  
Edward E. McManis  
Mary E. Macdonald

Faculty Club

Evelyn H. Byrne, Advisor  
Edward E. McManis, Advisor-Elect

Student Council

Mary E. Gilmore, Advisor  
Mary A. Maher, Advisor-Elect



UNIVERSITY OF MASSACHUSETTS  
Memorandum

From: School of Physical Education Date: December 15, 1961

To: Robert J. Doonan, Secretary of the University

Subject: Memorial for Annual Report

Appropriation

1959-60 1960-61 1961-62  
\$40,600 \$60,750 \$49,540

2. Personnel (Instruction)

	1959-60	1960-61	1961-62
Department Head	2	2	2
Professor	3	3	3
Assoc. Professor	5	4	4
Ass't. Professor	6	7	7
Instructor	7	8	8
Part. Term	2	3	3
<b>Total</b>	<b>22</b>	<b>27</b>	<b>31</b>

Personnel (Coaching)

	1959-60	1960-61	1961-62
Ass't. Dir. of Athletics	1	1	1
Head Coach	22	21	21
Ass't. Football Coach	2	2	2
Athletic Coach	44	44	44
Ass't. Athletic Coach	3	3	3
<b>Total</b>	<b>73</b>	<b>71</b>	<b>71</b>

Matthew Zunic serving as Head Coach, classified as Professor  
William Footrick serving as Athletic Coach, classified as

Personnel (Faculty)

4. Students			
a. Majors	151	202	207
b. Number of students taught			
(1) Majors and others	580	729	1077
(2) Gen. Programs	2616	2277	1978
Total taught	3196	3516	3169
Upper Semester			
c. Intercollegiate and Intramural Participation	2500	3400	3573





School of Physical Education

Dean

W. P. McGuirk

Maintenance

Clerical

Dept. of Ych.

Dept. of Men

Dept. of Women

Dept. Rec. Insp.

Director

Assoc. of Dept.  
of Physical Education

Assoc. of Dept.  
of Physical Education

Assoc. of Dept.  
of Physical Education

Assoc. Registrar

General Staff

D. Hartow

Asst. Director

E. Foxden

Operating Staff

Schmitt

Delaney

Smith

Boothick

Glendon

Glaz

Kosakowski

Leiman

Rogers

Zunic

Sports Info

R. Bass

Director

Financial Mgr. Ach.

O. Conneli

Berruist

Bischoff

Brook

Bates

Cobb

Douglas

Garbar

James

Ricci

Part Time

Part Time

Part Time

Hubbard

Quilley

Pratt

Roid

Blagg

Boyd

Rupp

Vandlen

Balisco

Wooliams

Part Time

Part Time

Director

I. Goss

Intramural



5. Faculty Publications - Research

- David Bischoff - A Formula for Determining a Skill Grade in Badminton
- "The Status Seeker in College Physical Education: A Professional Liability"  
The Physical Educator
- Elena E. Marlow - Manual for Municipal Recreation Boards in Massachusetts
- John Douglas - A Study on the Use of Visual Aids as a Method of Teaching Wrestling Techniques
- Robert James - A Study on the Relationship of Leg Strength per Pound of Body Weight to Speed in Sprinting
- William E. Randall - Evaluation of the 4-H Camps in Massachusetts
- Natural History of the Nolyoke Range as a Basis for Expansion of Skinner State Park
- Development and Operation of Privately-Owned Individual Family Campgrounds in Massachusetts
- Special Instructional Techniques and Devices Used in Recreation Leadership Curriculum
- Benjamin Ricci - Questionnaire Study: Parental Attitudes Toward Existing Programs of Physical Education in the Amherst Public Schools. Biostatometric Analysis of Ginglymus Joints of the Lower Extremity of the Human. (Collaboration with Dr. P. V. Karpovich, Springfield College).
- Effect of Relaxant Drugs on Muscular Performance. (Collaboration with Dr. E. Mitchell, Westover, AFD).
- Editing text, "Preventive and Supportive Measures in Athletics". (Collaboration with Mr. S. Shaw, Springfield College).

6. Special Projects

- a. Appointment of a faculty member as Director of Research to develop a research program in Physical Education
- b. Proficiency Tests in Physical Education Testing during the Summer Counseling Program (Men) and in each semester during the academic year has continued in an effort to adjust enrollment in the general program to the totally inadequate facilities.
- c. Graduate Program in Physical Education  
The program has been developed and in a preliminary hearing the proposal was tabled as a result of the questioned eligibility of the School faculty qualifications



c. (continued)

for admission to the Graduate Society. Ineligibility was attributed to the sparsity of publications and research by staff members. Emphasis will be placed upon meeting the criteria of eligibility through reduction of load for qualified faculty.

d. Adapted Program in Physical Education for Men

The adapted Physical Education program under the limitations of facilities and equipment continues to provide a limited program of disabled students under referral by the Capacities of Disabled Students under referral by the University Health Service. One thousand, three hundred and fifty prescriptive treatments were supervised in the therapeutic exercise program.

7. Future Plans and Needs (by Departments)

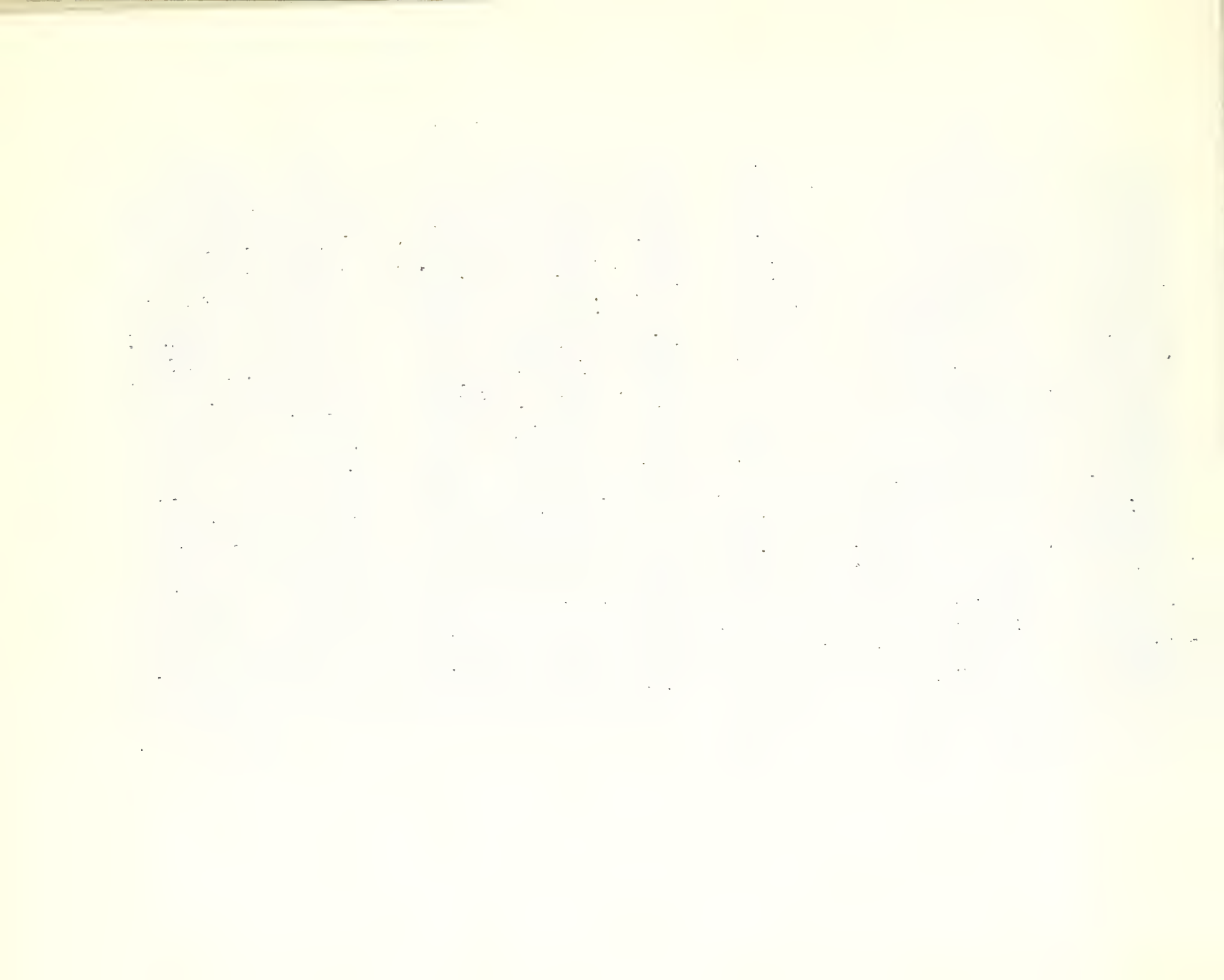
a. Department of Physical Education for Men

The Department continues to be confronted with three basic administrative needs which have been elaborated upon in previous reports

(1). Facilities: Total inadequacy of indoor and outdoor facilities required for the conduct of an educationally sound General and Major Physical Education Program

The joint completion of the new Men's Physical Education Building and outdoor instructional areas will provide the facilities necessary to meet predicted enrollment increases. It should be recognized that both programs have been jeopardized by substitution and improvisation for the past five years. In consideration of need and time involved in the ultimate realization of these facilities, any further delay in beginning construction of this approved project is indefensible

(2). Personnel: Each staff member is responsible for teaching assignments in both the general and major programs. As the sections in both programs increase and the staff remains constant, the point is soon reached where the instructional staff is inadequate to fill the instructional needs. This situation was reached in September, 1960, when part-time graduate students were used to supplement the permanent staff. This makeshift arrangement was not administratively sound or educationally defensible, due to lack of qualified graduate students available at the hours





(2) (continued)

throughout each week when competent instructional staff was required. It has become practically impossible to interest qualified graduate students from Springfield College, for example, to commute to Amherst to serve as part-time instructors in the General program, during the hours required, at the salary available.

In September, 1961, in lieu of providing the necessary full-time staff required, \$3 funds were made available for the purpose of employing additional part-time staff necessary to meet instructional demands. Qualified teachers, with the specific abilities required were not, and are not now, available for employment during the hours throughout the week in which the heavy teaching load exists.

Enrollment in the professional major has increased 40% over last year. Since September, 1961, the Department staff has been required to absorb a 47% increased teaching load in major courses and a 20% increase in the General Physical Education Program.

It is utter folly to assume that such increases can be met, in an educationally sound program by make-shift instruction. The general and major Physical Education programs are dependent upon facilities but come alive and meaningful only when persons are effective agents. The facilities, meager or abundant are useless until they are employed and the staff is the ultimate and final answer, to both program and facilities.

Additional full-time staff must be made available to meet increased enrollments and to insure retention of the present competent staff by reasonable reduction of their teaching load to a level comparable to that of the average University faculty member.

Reduction of work load, which is essential to provide the time required for certain staff members to engage in individual research, cannot be realized without provision of additional staff.

3. Budget: The increase in the number of sections has placed greater demands upon the quantity and quality of laboratory equipment. Current purchase and repair costs of this equipment require larger appropriations to meet enrollment demands. The budgets in 19 and 15 accounts have never been sufficient to establish a backlog of equipment for instructional use. Late





3. (continued)

allocation of funds in these accounts, coupled with the policy of competitive bid, delays receipt of equipment to the extent that instruction is impaired by insufficient or complete lack of equipment. Adequate appropriation should be made available each year, in order that staff members might accept invitations to serve on professional committees at both the state and national level. Several opportunities to represent the University and the Department have been declined by certain staff members, due to lack of travel funds.

b. Department of Physical Education for Women

1. Facilities: The space restrictions on both the extra-curricular and the teaching program present more pressing each year. Plans should be laid at once to realize the dance studio and the classrooms which were deleted from the original plans.

Even more urgent is the fence around the athletic field. Now that the education building is in use, students use the lawn and athletic field as a shortcut thoroughfare between the women's dormitories and the education building. This item should have priority in the improvements for the summer of 1962.

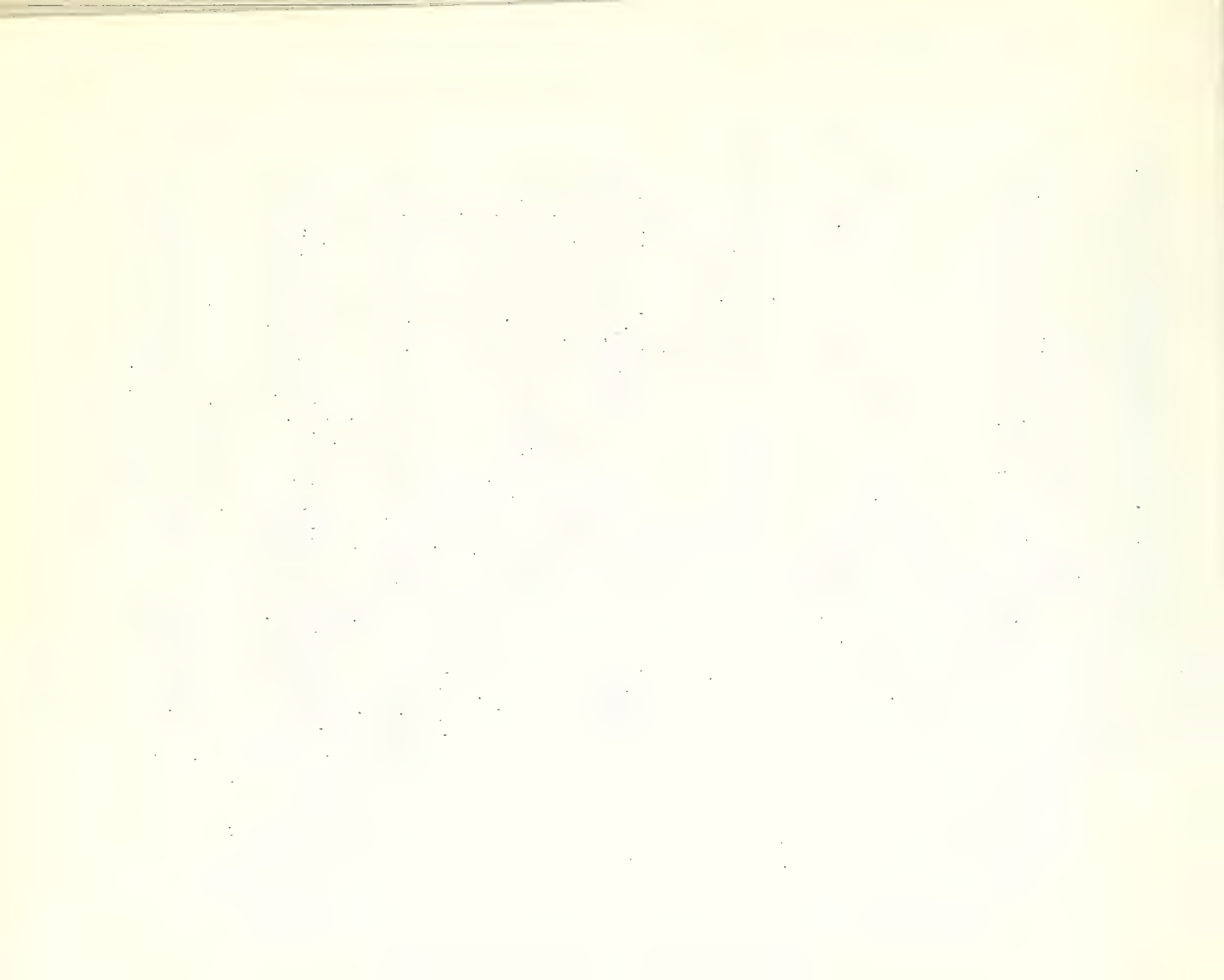
2. Personnel: The increased number of major students who require opportunity for student teaching in public schools makes it imperative to have this course in both semesters. The two chief reasons for this need are the problem of finding suitable places for the work and the time required for proper supervision. To develop this student teaching course in both semesters will require a duplication of both semesters of the senior year. This will require additional staff.

The plan to augment the permanent teaching staff by employing part-time teachers is unsuccessful, mainly because such teachers are not available. Graduate students at nearby colleges cannot spend the time from their studies.

The planning for student teachers in both semesters of the senior year and provision of sufficient staff to carry out the program are the main problems for immediate consideration.

c. Department of Recreation Leadership

As major enrollment continues to increase, as the quality of the instructional program improves, as the faculty and students participate more fully in professional activities,



c. (continued)

and as key members of the profession visit the campus with increasing frequency, the stature and reputation of the department are growing substantially.

By way of example, Mr. Willard C. Sutherland has for thirty years been the key national figure in the field of preparation and placement of professional recreators. He maintains close contact with, and periodically visits, all of the recreation major curriculums throughout the country. As a result, Mr. Sutherland represents the closest existing approximation to an accrediting agency in this profession. After his recent visit, Mr. Sutherland reacted as follows:

"Dear Dean McGuirk:

"I cannot resist the urge to record in writing my favorable impressions as a result of a recent visit to Massachusetts State University.

"It had been several years since I was on your Campus and the growth of the recreation curriculum has been remarkable under the creative and imaginative.

"I had the pleasure of interviewing 13 of the Senior recreation students and in speaking to the Student Recreation Association. Every student interviewed is pleasurable and this is rather unusual in a group of this size. The Seniors whom I interviewed measure up unusually well with those whom I have interviewed on various campuses in other parts of the country. What is sometimes lacking is dedication and professional attitude, but I found these in very satisfactory amounts among the Seniors at Massachusetts University.

"Also, I am delighted that Massachusetts University has been designated as the Regional School for the major recreation curriculum. This too, will bring added status to your school, and this, among other favorable factors, indicates a tremendous potential. The Recreation Department under your guidance and skillful leadership of Bill Randal is making a real piece for itself, not only in Massachusetts, but throughout New England.....

Sincerely yours,

W. C. Sutherland  
Recreation Personnel  
Service"

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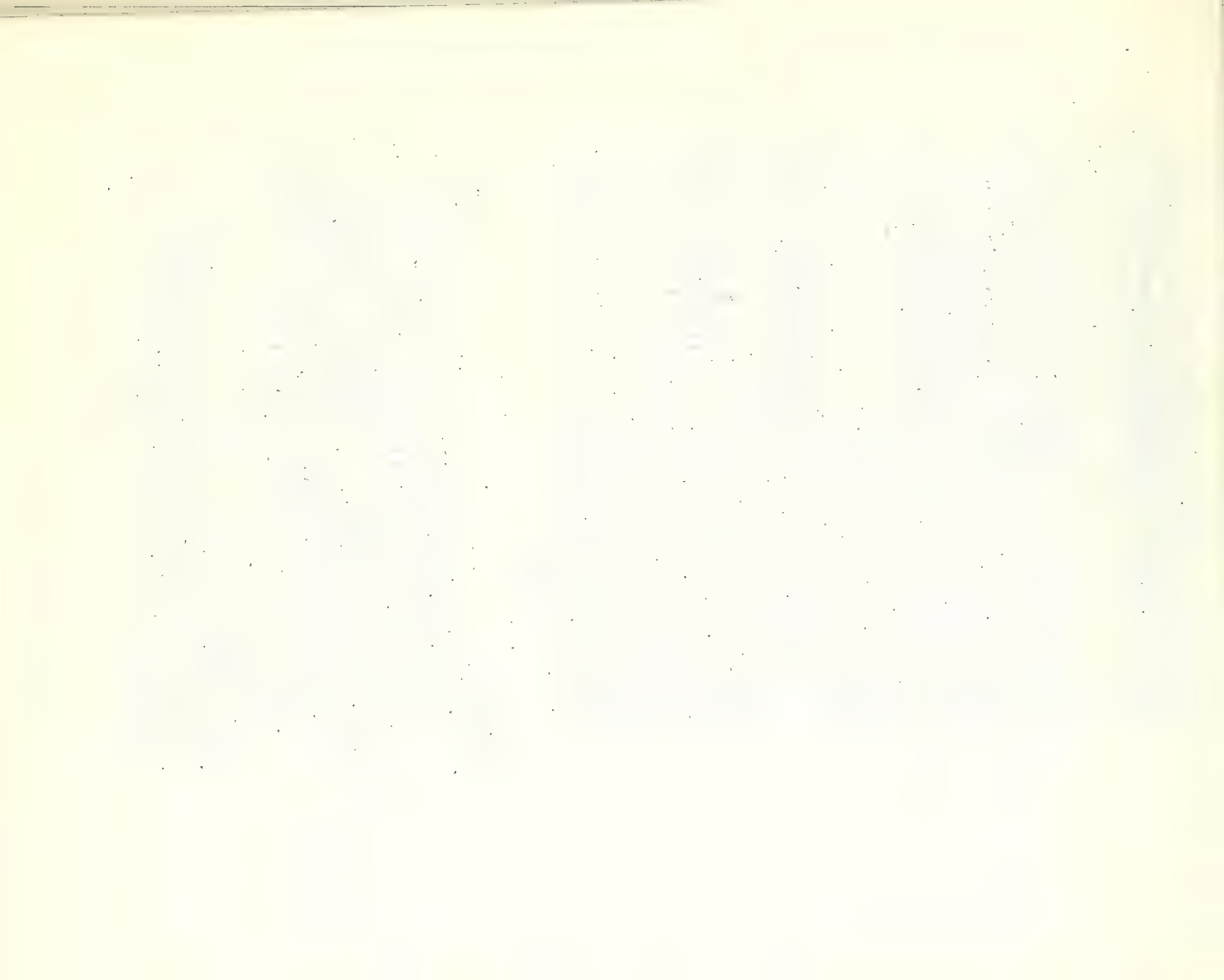
1. Facilities: Space limitations continue to interfere with efficient functioning of the department and the problem is increasing in importance. Availability of the new Men's Physical Education Building is urgently needed to alleviate the situation.
2. Personnel: Major enrollment is increasing. Certain courses in the department are required of majors in other departments which have increasing enrollments. The department is being asked to develop additional service courses for yet other curriculums. The accelerated course sections require special accelerated course sections and a greatly increased amount of faculty time for supervision of the Practice leadership courses. The effect of all these demands is a serious need for additional faculty positions.

3. Gas problem which continues to require development of a permissive University policy is that of travel reimbursement for use of student cars for official class field trips. For most such trips the University provides or charters busses. If a class is too small to warrant a bus, or if the terrain and roads to be traveled render a bus impractical, or if the trip covers several days (involving much waiting of bus and driver along with heating and food problems for the driver especially, when a class is camping), student cars are a necessity. Under present policy in these cases, the students must pay for the transportation although the University would pay several times as much for less satisfactory transportation.

#### d. Department of Athletics

##### Intercollegiate

1. The control and administration of all intramural activity continues to be a "part-time" staff responsibility. The program has advanced far beyond this in scope. Assistance is provided by interested student volunteers and by a staff of student supervisors and officials. Administratively, the purchase of equipment, control of student labor, scheduling of 754 separate contests, and participation of 2,572 male students, points to eventual departmental status.
2. Facilities - The limitations of our present facilities continue to hamper the development of a full, comprehensive intramural program. Inadequate force program modifications that cannot be justified in the light of proper philosophy:





-3-

(a). Upperclassmen, graduate students, and faculty cannot enjoy the privilege of locker or basket storage space.

(b). The hours available for contest scheduling encroach upon the normal study time commitments of students. Because of facility limitations, areas must be shared jointly with the Required Physical Education Program and the Athletic Program, with last priority going to the Intramural Program.

(c). Outdoor facility limitations force the scheduling of 109 football contests on one field. This is the same field used by the varsity for practice. This field is also used by the Freshman team as a game field and by Stockbridge students as a game field. By mid-season, the area is completely stripped of grass and becomes a hazard that is a serious threat to the safety of unpadding, unskilled intramural participants.

3. Personnel - The need exists, the enrollment justifies and the future development demands the creation of a full-time Director of Intramural Athletics

#### 4. Budget

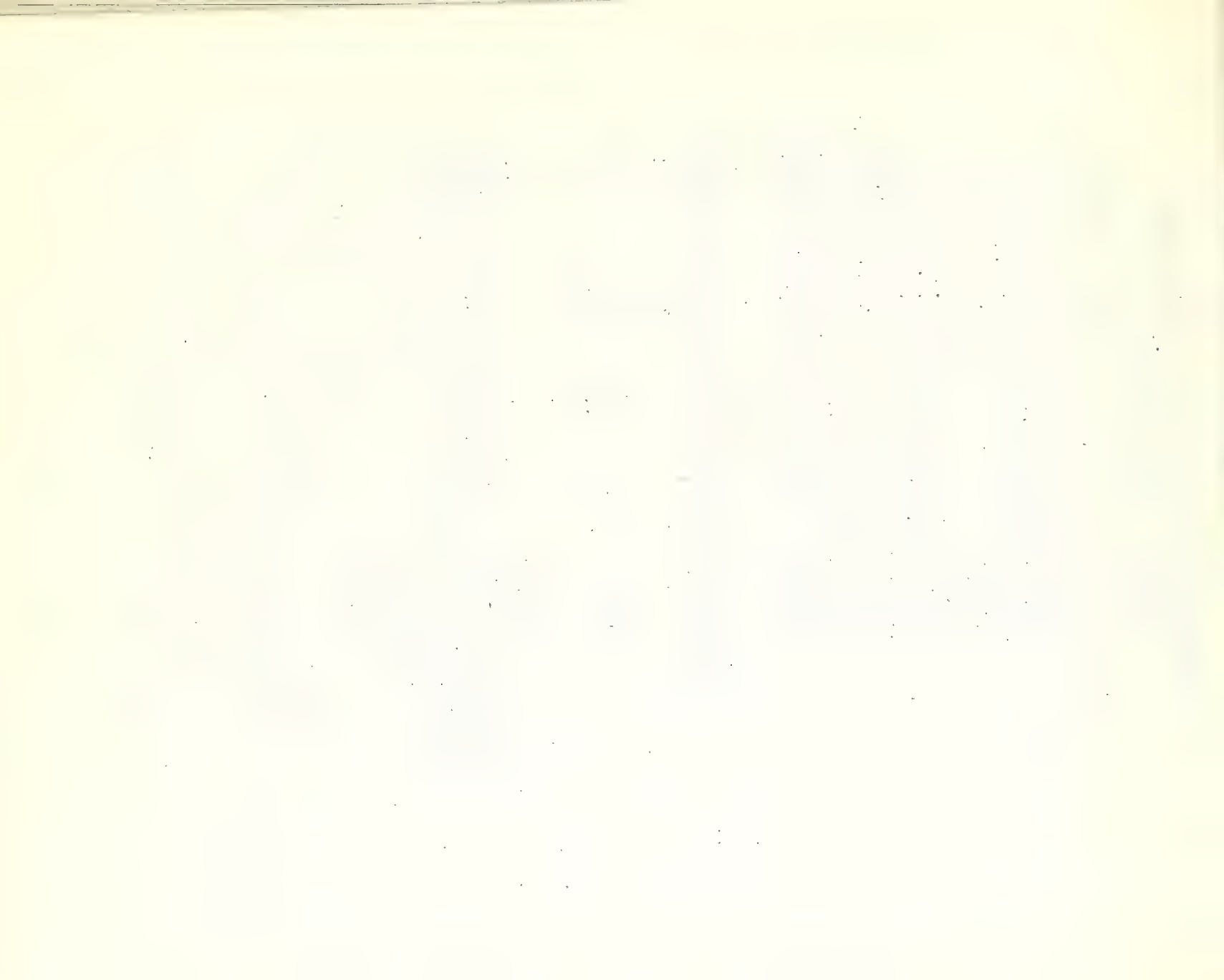
(a). A reasonable increase in O3 funds consistent with the expansion of the program

#### Intercollegiate

Squad size and breadth of the competitive sports program is seriously handicapped by limited facilities. The total inadequacy of indoor and outdoor space, essential for the conduct of sports programs, restricts expansion of the total program which is necessary to accommodate increased numbers of students interested in competitive athletic experience.

Provision of the following facilities is urgently needed:

1. Completion of the second section of the field area
2. Relocation and expansion of the present outdoor field lights for multiple intercollegiate and intramural sport use
3. Relocation of the maintenance and storage building
4. Preparation of the site for replacement of Alumni Field



5. Enclosure of new baseball field with link-wire fence

6. Service building south of baseball field

7. Development of golf facility

8. 1962-63 Capital Outlay Budget - Consideration of assembly hall, field house, hockey facility

Intramural Sport Participation Chart

Sport	No. of Teams		No. of Participants		No. of Contests	Total No. Participants		
	Varsity	J.V.	Varsity	J.V.				
Basketball	15	4	21	293	166	230	249	689
Volleyball	9	4	14	94	36	123	43	259
Wrestling	--	--	--	--	--	47	42	47
Swimming	9	--	--	153	--	--	1	153
Softball	15	2	13	240	213	210	211	659
Golf	--	--	--	--	--	278	1	278*
Football	15	5	7	298	259	69	109	646
Tennis	--	--	--	--	--	72	97	72
Cross Country	--	--	4	1	46	2	1	49
<b>Total</b>							756	2572

\* Not included in Total



Intercollegiate Sport Participation Chart

Sport	1958		1959		1959		1960		1961		1961	
	V Games	F Games	Total Men	V Games	F Games	Total Men	V Games	F Games	Total Men	V Games	F Games	Total Men
Baseball	19	10	50	19	10	60	18	10	78	4	10	82
Golf	8	3	22	9	5	22	10	4	24	25	25	49
Lacrosse	9	4	65	10	4	65	10	5	70	75	75	145
Track - Outdoor	7	6	70	7	4	70	6	4	74	66	66	140
Tennis	10	5	25	10	4	24	11	4	25	25	25	50
Basketball	21	10	50	21	12	50	25	11	61	50	50	111
Gymnastics	7	4	50	6	4	55	6	9	61	70	70	131
Hockey	11	2	40	16	2	45	15	2	47	53	53	100
Swimming	9	5	36	10	5	36	10	5	41	35	35	76
Track - Indoor	7	6	56	7	5	55	7	5	60	70	70	130
Wrestling	9	--	25	10	4	45	10	4	55	50	50	105
Pistol	9	--	10	12	--	10	10	--	20	10	10	30
Rifle	9	--	12	6	--	16	8	--	24	12	12	36
SkI	7	--	12	--	--	--	--	--	--	--	--	--
Football	8	5	88	9	5	95	9	5	104	100	100	204
Soccer	9	5	65	9	5	65	10	5	70	70	70	140
Cross Country	8	7	38	8	7	40	10	8	48	50	50	98
Total	167	72	716	169	76	753	175	78	828	844	844	1672

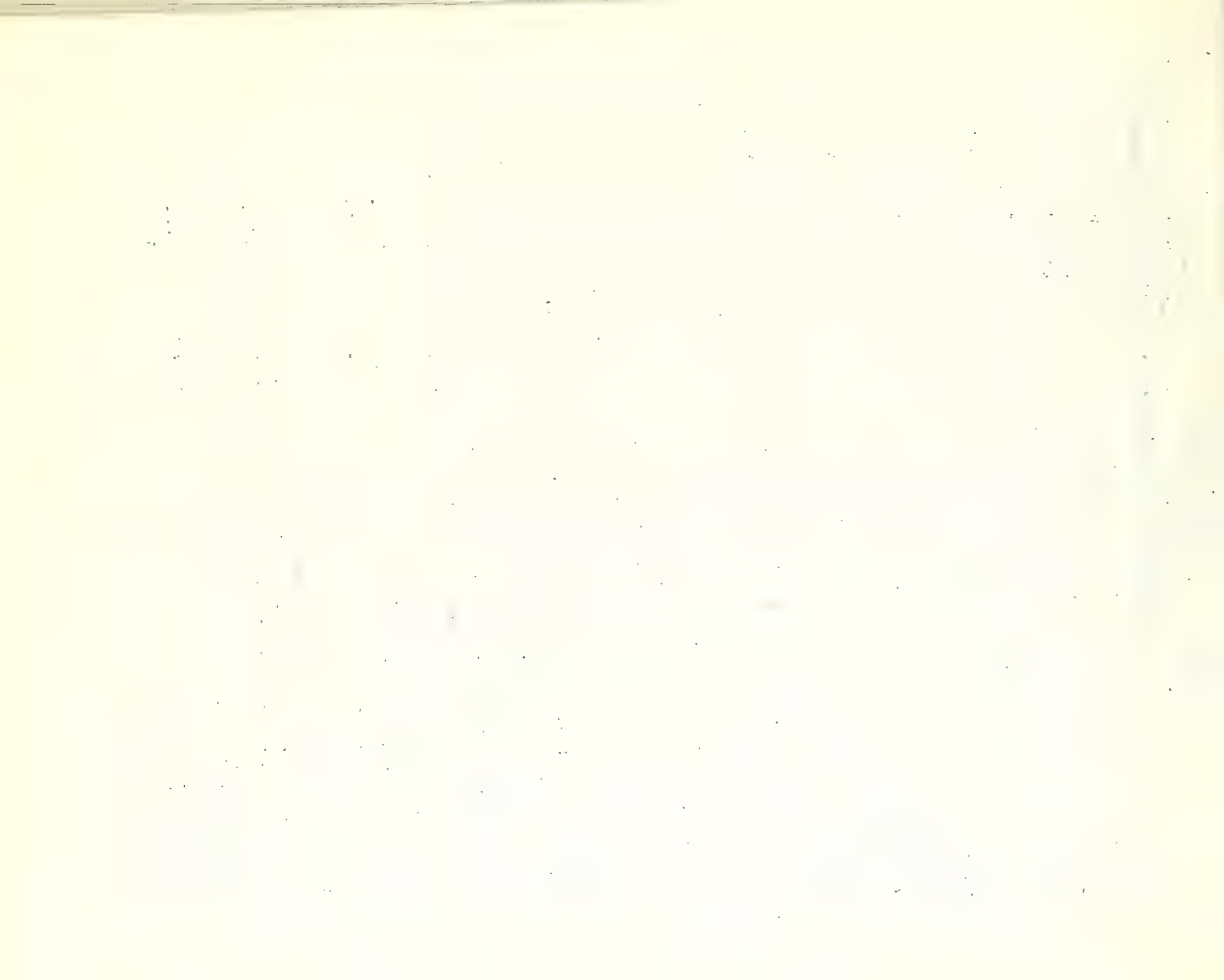
\* - Does not include Stockbridge Teams

SUMMARY

1. Personnel Pattern by Departments

Department of Physical Education for Men

Personnel	1959-60	1960-61	1961-62
Professor	1	2	2
Associate Professor	2	2	3
Assistant Professor	3	2	2
Instructor	4	4	4
Instructor (part-time)	10	10	9





Department of Physical Education for Women

Personnel	1959-60	1960-61	1961-62
Head of Dept.	1	1	1
Associate Professor	2	1	1
Assistant Professor	3	4	4
Instructor	3	4	4
Part Time	1	2	1
	10	12	11

Department of Recreation Leadership

Personnel			
Professor	1	2	
Associate Professor	1		
Assistant Professor	1		
Instructor	2	2	

Department of Intercollegiate Athletics

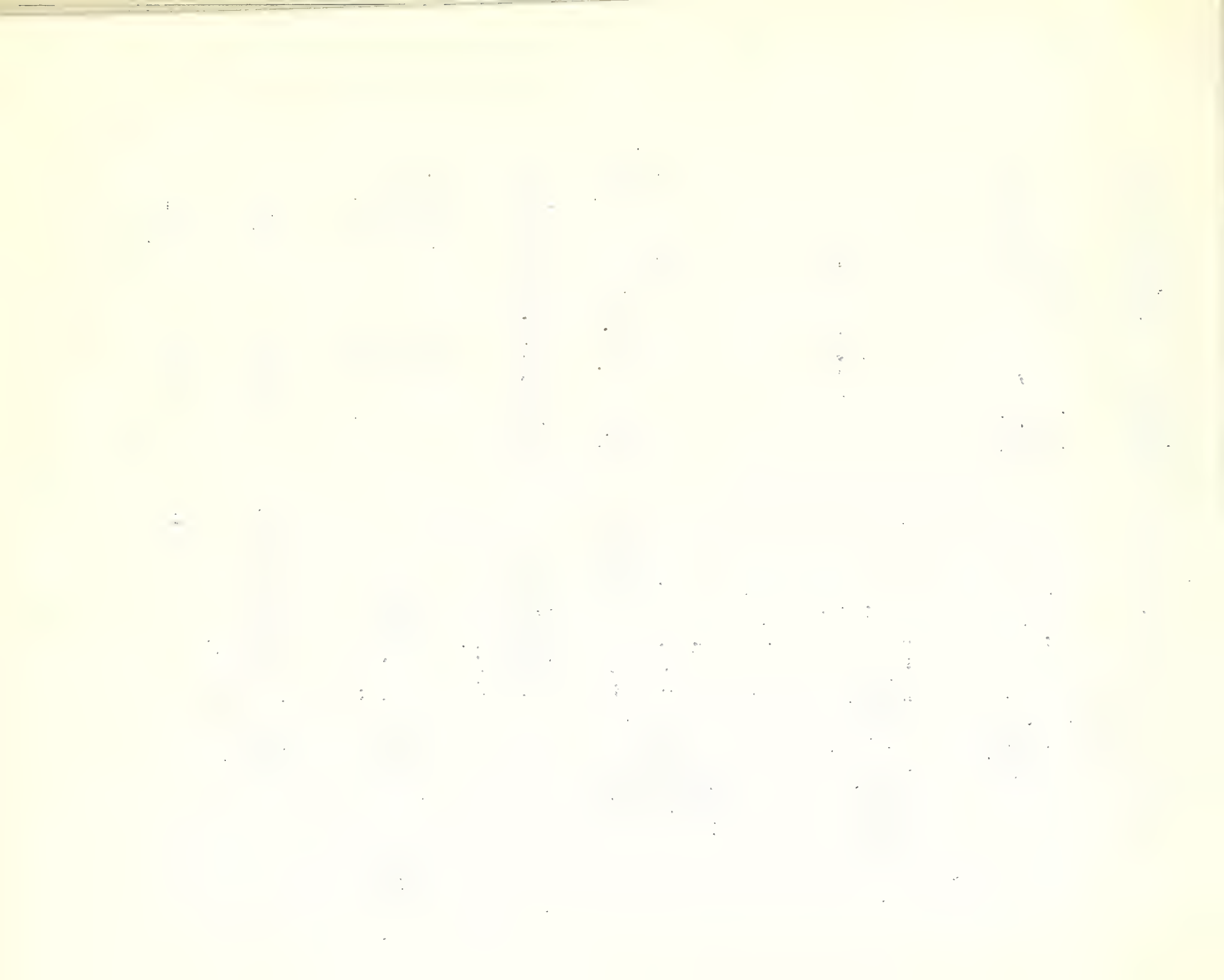
Coaching Personnel			
Ass't. Athletic Director	1	1	1
Head Coach	2*	2*	2*
Ass't. Football Coach	2	2	2
Athletic Coach	4**	4**	4**
Ass't. Athletic Coach	3	3	2
	12	12	11

\* Matthew Kunie serving as Head Coach, classified as Professor  
 \*\* William Footrick serving as Athletic Coach, classified as Associate Professor

2. Students or Clients by Departments

Major	1959-60	1960-61	1961-62
Physical Education for Men	101	128	160
Physical Education for Women	33	48	58
Recreation Leadership	17	26	37
General Program			
Physical Education for Men	1257	1438	1725
Physical Education for Women	1159	1349	1353
Athletic Participation			
Intercollegiate	716	753	844
Intramural	2200	2417	2572





### 3. Facilities

- a. Construction of indoor facilities for which plans have been completed and appropriations allocated must be expedited.
- b. Development of final plans for outdoor fields and preparation of site for football and track facility should be expedited so that the construction will be in phase with University plans in present Alumni Field area

### 4. Personnel

Attempts to accommodate increased responsibilities by unrealistic faculty work loads, supplemented by make-up, part-time instruction, dilutes the quality of instruction and legislates against enhancement of the total program

Full-time staff increase, consistent with program expansion, is mandatory in order to meet current and future instructional obligations

### 5. Budget

Reasonable appropriation increase, commensurate with need particularly in accounts 9, 9, 10, 12, 13, 14, 15, will be required to meet instructional and administrative commitments resulting from expanded services.

WPM:D

Signed:

*Walter P. McGuire*  
 WALTER P. MCGUIRE  
 Dean



**U.S. ARMY ROTC INSTRUCTION GROUP**  
**University of Massachusetts**

15 December 1961.

**ANNUAL REPORT OF THE DEPARTMENT OF MILITARY**

<b>1. APPROPRIATIONS - by fiscal year (FY)</b>	<b>FY 60</b>	<b>FY 61</b>
04 <del>Services, non-employment</del>		17,900
04 Food for persons	75.00	79.48
10 Travel and automotive expense	50.00	50.00
12 Repairs and alterations	32.00	50.00
13 Special Supplies and expenses	250.00	177.00
14 Office and administrative expenses	350.00	191.00
15 Equipment	450.00	1,000.00
<b>Totals</b>		<b>1,700.48</b>

**2. PERSONNEL - as of September**

Colonel	1
Lt Colonel	1
Major	5
Captain	8
Enlisted	1
Jr Clerk Grade 3	17
<b>Totals</b>	<b>38</b>

**3. ORGANIZATIONAL CHART - see Inclosure #1.**

**4. STUDENTS**

- a. Number of majors - None.
- b. Number of students taught - September

Freshman	490	540
Sophomores	287	385
Juniors	45	53
Seniors	50	50
<b>Totals</b>	<b>872</b>	<b>1,028</b>

**5. FACULTY PUBLICATIONS, RESEARCH AND ACTIVITIES.**

In October 1960, a new course, MS 97 & 98, Special Problems Course, for Advanced students only, may be awarded depending upon the course re 1960-61 academic year 10 students enrolled nine in MS 98.









provide classrooms, offices, and other facilities necessary to execute the program. The fact indicates that general maintenance funds will be difficult to obtain.

d. The water construction plan calls for removal of the variable" (HVC Supply Room and Tank Change). This work is to be completed promptly and storage facilities are to be built for 100% supplies and equipment. Also, when the stable is replaced, the equipment will be garage and park for the tanks and a building to house stored oil, tools and equipment will be necessary.

e. An additional civilian search team will be necessary. At the time of employment of the present team, only 100% equipment was 500 students. The enrollment for the school is to be increased to a maximum capacity. Any further increase will cause the enrollment of one person.

#### f. Flight Training.

Purpose: To train and qualify selected cadets of the 1962-63 school year in the basic principles of flying a fixed wing aircraft to the 65-800 horsepower range. Upon satisfactory completion of the program, the cadet will receive an FAA Private Pilot's license, which is a graduation and commissioning requisite further to Army flight training toward becoming an Army aviator.

Scope: This course consists of 11 hours ground instruction and 36 1/2 hours of actual flying. This training will be completed in the 2d semester of the school year.

Implementation: This program is to be conducted by contract with a regional University, through the University and the Department of the Army. The program, through a civilian fixed wing pilot, will be conducted as prescribed and commissioned. The FAA has the responsibility of certifying the program in conjunction with the FAA.

Procedures for Implementation:

- (1) Tentative University agreement (to be completed).
- (2) Request by FAA for quota (to be completed to Army Department of the Army prior to 1 Jan 1962).
- (3) Upon receipt of D.A. quota, the program will be initiated.
- (4) Training to commence 2d semester school year 1962-63.







## OFFICE OF THE DEAN OF STUDENTS

ANNUAL REPORT  
December 18, 1961

## 1. APPROPRIATION

<u>Account</u>	<u>Fiscal Year 1961-62</u>
03 Services Non-employees	\$1,889.00
10 Travel	850.00
11 Printing	100.00
12 Repairs, Alterations, etc.	60.00
13 Special Supplies	600.00
14 Office and Administrative Expenses	1,000.00
15 Equipment	2,000.00

## 2. PERSONNEL

<u>Position</u>	<u>Rank</u>	<u>Number</u>	<u>Sept. 1961</u>
Dean of Students	Grade 23	1	
Head Clerk	Grade 11	1	
Senior Clerk-Steno	Grade 7	1	

## 3. ORGANIZATIONAL CHART

See attached as of 11/1/61. Student Council Secretary

## 4. STUDENTS

	<u>1961</u>	<u>1960</u>	<u>Total Sept. 1961</u>
Undergraduates	3,549	2,135	5,684
Undergraduate Specials	29	69	98
Graduate	670	175	845
Stockbridge	381	13	394
	6,229	2,392	8,621



## 5. PROFESSIONAL ACTIVITIES

Membership and participation in NAGA, APA, EPA

## 6. SPECIAL PROJECTS

Although this report covers only a brief period since the establishment of the Office of the Dean of Students, much of the basic operating procedures and policies have been established.

With one exception, the staffs of the agencies responsible for the care of Students have been most helpful and cooperative in the performance of these services. There has been a direct and positive willingness to cooperate and all procedures with a view to achieving or changing them in the light of its new organization.

The following offices were referred in handwritten queries in Nichols Hall

Counseling and Guidance

Dean of Men

Dean of Students

Dean of Women

Placement and Financial Aid Services

This reorganization has been coordinated by the more direct and effective administrative relationships between these offices and those of the Coordinator of Student Activities, Registrar, and Director of University Health Services.

## 7. FUTURE PLANS AND NEEDS

Three basic areas of unified student personal services in the years immediately ahead will need direct attention and support. One has had to be developed by the other two, which are community colleges, the residential program and family advisory relationships.

Service coordination will be done in the next steps of a plan for personal services to match the growth of the University.

As several fraternities and groups are completed, it will be desirable to develop offices for more direct personal services in these groups by direct and student contact and to establish effective relationships with students in various living areas.

Respectfully submitted,

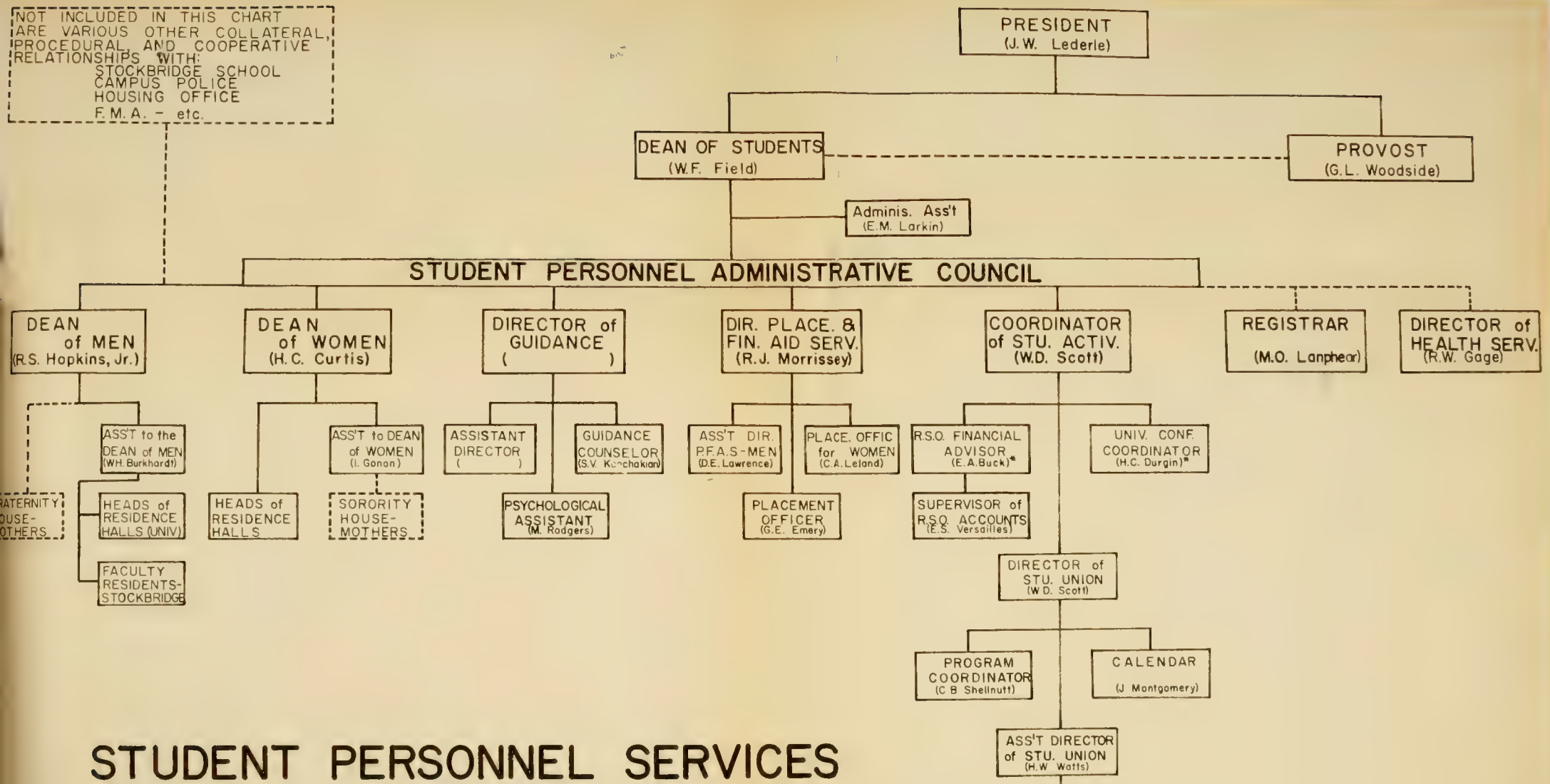
*William F. Field*

William F. Field  
Dean of Students





NOT INCLUDED IN THIS CHART ARE VARIOUS OTHER COLLATERAL, PROCEDURAL, AND COOPERATIVE RELATIONSHIPS WITH:  
 STOCKBRIDGE SCHOOL  
 CAMPUS POLICE  
 HOUSING OFFICE  
 F.M.A. - etc.



# STUDENT PERSONNEL SERVICES

\* NOTE-The basic policies under which the offices of R.S.O. and the University Conference Coordinator operate are developed by the Committee on R.S.O. and the University Conference Board, respectively.



UNIVERSITY OF MASSACHUSETTS  
OFFICE OF THE DEAN OF MEN

ANNUAL REPORT

December 1, 1960 - November 30, 1961

December 11, 1961

1. Appropriations - fiscal year 1961-62

As the Dean of Men's Office functions under an allotment made from the appropriations to Student Personnel, only such allotments pertaining to the Dean of Men's Office are listed as follows:

ALLOTMENTS FOR DEAN OF MEN'S OFFICE

1961 - 1962

<u>Account</u>	
03 - \$17,708.00	\$17,708.00 (Dormitory counselors and faculty residents plus counselors for the summer school period).
	<u>500.00</u> (Dean of Men's Office).
	\$17,708.00

10 - \$ 300.00

11 - nothing

12 - 62.00

13 - 200.00

14 - 1,000.00

15 - new materials in new office but cannot give at this time

2. Personnel - number in each work center, 1960, Sept. 1960, Sept. 1961.

<u>September 1960</u>	<u>September 1961</u>
1 Professor A	1 Dean of Men
1 Instructor	1 Staff Assistant
7 Heads of Residence	10 Heads of Residence
1 Head Clerk	1 Head Clerk
1 Junior Clerk and 4 stenographer	1 Junior Clerk and 3 stenographer
1 Junior Clerk	1 Junior Clerk









#### 4. Students or Clientele

As of September 1931 there were 3540 men out of a total undergraduate body of 5033. This is a rise of 232 men over September 1930 and a rise of 425 men over September 1929. This office also continues to render certain services to the 381 men of Stockbridge School and the 870 men enrolled in the Graduate School.

The growth of the University of Massachusetts continues as reflected in the number of men per class in the Undergraduate School as of September 1930.

<u>1932</u>	<u>1931</u>	<u>1930</u>
632	574	1,220

As one can see from the above there has been an extremely rapid growth in the number of male students attending the University of Massachusetts. This rapid growth has brought about a need for additional personnel in the Dean of Men's Offices and is the reason for the recommendation requesting additional personnel in section seven of this report.

#### 5. Professional Activities

Dean Hopkins

Faculty Adviser, Phi Eta Sigma, National Proctorm Academic Honor Society

National Executive Board, Phi Eta Sigma

New England Regional Deans Meetings, University of Massachusetts  
June 1931

Assistant to the Dean of Men, William H. Burkhardt

Association of Colleges and University Housing Officers,  
Columbia University, July 30 - August 3, 1931

#### 6. Special Projects or Programs

##### A. Study + Under 'n Meeting

Regularly, an hour's meeting per week with male student leaders has provided a feeling of unity, respect and understanding. Interest and attention of these men is increasing from year to year as they are encouraged to



is another positive piece of student personnel work.

#### B. Confidential Student Personnel File

During the past year a Confidential Student Personnel File was developed to facilitate the positive counseling of students. The file is a Manila folder, printed on the inside. On the left facing page the students write their names, and on the right facing page is kept a cumulative record of interviews and contributions that the student makes to student life at the University. The student fills out the folder during the Summer Counseling Program making it possible to have completed folders for all freshmen students in September.

#### C. Counseling Program

Both the Dean and his Assistant regularly see great numbers of students during each working day. Some of the conferences may be short as a few minutes (to borrow money, to get recommendations for a job, scholarships etc.) While some last the normal 50 minutes. Each uses the Confidential Student Personnel File as a record of interviews with freshmen and keeps a record of the major cases of upperclassmen. Mr. Dean and his Assistant very often consult on the more difficult cases. An agency called often makes near detection of their facilities. By far, counseling occupied the major portion of our time and effort. It is neither as flashy nor showy as the disciplinary cases, it still adds up to a most positive contribution to the total welfare of the students.

#### D. Summer Counseling Program

During the summer of 1961 this office assigned the Guidance Office in the annual summer program of testing and faculty counseling which is required of all freshmen before they enter the University. It was the responsibility of this office to keep and carry on a program of orientation for the more than one thousand two hundred entering male freshmen.

In addition to the Hall of Residence in Hall House where the students were



quartered, five student counselors were appointed to live in and supervise the sections of the dormitory where the freshmen were housed. They also participated in formal and informal periods of orientation. The success of this year's program, from the standpoint of this office, was in a large measure due to the efforts of the Head of Residence and these counselors.

During each testing period the Dean of Men or his Assistant gave orientation lectures to the students attending and also to many of their parents during the Parents Program which was held on the third day of each period. As a result of this program, united progress has been made in establishing understanding and cooperation between this office and the parents of the students whom we serve.

#### E. I. D. Card Program

This year marked the third time that finished I. D. cards were given out at fall registration. This was accomplished by taking the freshman pictures in color during the Summer Counseling Program and by having upperclassmen fill out their I. D. cards during spring pre-registration. Duplicates of the freshman picture are made at the time of its original printing making it necessary to take student's photographs once while at the University.

Additional prints are made available to departments needing them.

#### F. The Dormitory Program

In September 1961 Adams House was returned to the women thus reducing the total normal capacity of the University Men's Dormitories from 2,281 to 2,188. Because of the increase in enrollment it became a necessity to house an additional 511 men making the total men housed to 2,701. This was done by putting 277 additional men in double rooms making these tripled rooms. By putting 234 additional men in single rooms making these double rooms.

As was stated in the Annual Report of 1959-1960 and 1960-61, the psychological and operational aspects of this dormitory over-crowding have not





made for a climate which we feel is proper in our dormitory program. When 577 men were tripled and 234 men are doubled it affects 1,200 men thus spreading the problem of this trying situation. Again this year the Housing Office, Institutional Study Board of Residence and Commissioners have done an excellent job in working with this problem.

It is the recommendation of this office that positive steps be taken to eliminate this problem in the future.

#### 7. Future Plans and Needs

The University is growing physically and in numbers of students and employees. This is a basic fact and needs no elaboration.

Very briefly, for the justification easy money properly belongs in the budget requests soon to be made. The crying need in Student Personnel is for additional personnel.

Additional personnel are vitally needed in the office of the Dean of Men to this extent:

- 1) an Associate Dean of Men
- 2) an Assistant Dean of Men
- 3) a Senior Clerk-stenographer
- 4) a Junior Clerk-typist

These people will assist the present staff by performing many of the tasks which we simply are not doing because we cannot. For example, if we were able to do some extensive counseling after mid-semester grades are reported, it would mean we could save a substantial number of freshmen. Perhaps even upper classmen could be saved as well.

A Campus Safety Program should be instituted and advised by a small but experienced, concerned, and practical Safety Board. We urge Edw. H. Wilson, Director of the Institute for the Study of Man to be consulted. We also urge the University to take steps to improve preventive measures by





It is the recommendation of this office that a preventative maintenance schedule be set up for all the dormitories and be strictly adhered to. Many of our dormitories have not been painted for years and the condition of furniture and beds in the other dormitories is deplorable. Some of the common areas in the dormitories only have two or three chairs left and many chairs and sofas which have only one leg broken and in stores and could be repaired if money were forthcoming to fix them.

The outside wooden trim of many of the dormitories have not been painted for years and in winter are cracking. If paint could be applied to these areas regularly it would protect them and cut down future maintenance cost.

Again it is the firm recommendation of this office that a general estimate of the maintenance for all dormitories be made and that a preventative measure schedule be set up and rigidly adhered to so that the valuable investment which has been in these dormitories may be protected.

#### H. The Move to Hochmer Hall

The consolidation of all Student Personnel Services in Hochmer Hall provides the move of the Dean of Men to 1111 in Green Health College to Hochmer Hall. This move has been a major help to all in Student Personnel Services because they are now in closer proximity to each other. It has established better communication and closer relationships are now easily handled.

This move has also made it possible for the Dean of Men's Office to concentrate on men's affairs positively, thus allowing this office to get away from some of the procedural areas which it has handled over the past years. The move has made for a more effective utilization of time and personnel in the areas of which this office is primarily responsible.

#### I. Utilization of the University Fire Marshal

The report issued by the Board Control on University Fire Marshal II has a list of



work of this office in the major room. In cooperation with Dean Hopkins the fire department has recommended preventive measures for the fraternities which are above the minimum fire insurance. Outstanding cooperation on the part of the fraternities has resulted in the implementation of new preventive fire measures in the fraternities.

In connection with Mr. Burdette and the House of Residence I, the beginning of the year Mr. Casper conducted fire drills in each of the men's dormitories. Classes were given before drills to make sure on the drills on what each drill would be expected. As a result each dormitory has had a successful drill.

RE: 111

  
Robert S. Hopkins, Jr.  
Dean of Men



















Although only about 6% of undergraduates were living in nearby houses, about 20% have meals there and about 23% participate as escorts or guests at their activities. The supervision of housing and counseling of security and institutional activities requires a great amount of knowledge and counseling of high standards are to be maintained. These matters have been the major responsibility of a resident, Mrs. Isabelle Connor, who has handled them very well. She also has been of great assistance in starting other work of the Dean of Women described in her attached report.

During the summer, in relating schedules, half of the heads of the dorms assisted at lunch hours, many freshmen were housed for the College Counseling sessions, and half at Double doors for summer session students. Because of many irregular student requirements and the needs of foreign students, as was long at Yale, we do always open at all times except Christmas vacation.

I again gave summer priority to the Freshman Eye-College, reading and counseling sessions, meeting the Freshman women for talks and a question period on one evening, and their parents on Saturday afternoon. The Head of Residence also participated. Student House Counselors did an excellent job of studying the dormitory and settling the Freshman in new part, especially with answers to their many questions. Don and Janet counselors, including Truman and I, advised directed a "GO-TO" night at two from a Physical Education building to help all freshmen become acquainted and enjoy an evening of recreation after their long tests and advisory sessions. The whole summer orientation has proved its worth to more than justify the investment of time and effort it requires.

Procrastinating aspects of the summer were caused by the pressure in the women's dormitory area of being and obstructive conversations groups and the Fresh School. Serious summer students were usually driven to distraction by uncontrollable neighbors. In addition to the noisy interference with the University's academic life, the physical plant suffered from their abuse. In the House, especially, near the mess at breakfast, meals and furnishings. After so much so hard to get each administrative funds for public rooms and all private residence halls and train our University great students to work for their rooms and take pride in their dormitories it is extremely disturbing that the University feels that a such abuse from any outside group. Although not living in the women's area, the professional feedback of students was frequently being looking for others are able to answer school problems, particularly since there were very young girls ("freshman's freshmen") in the summer camp.

## 7. Future Plans and Needs

University conditions usually have that administrative responsibility and after thought for improvement of problems make recommendations. I believe these recommendations should be adopted as promptly as possible, or weighed and alternate solutions put into effect. Such recommendations include the new policy for acceptance and handling conferences (which should be kept under review), the request of the Health Council for a University Sanitation and for an effective pest prevention and control program.

The University needs a campaign to restore and maintain the beauty of this campus. The present abuse is a disgrace to this institution and has a corroding effect on citizenship. It will cost money for walks and planting. It will cost effort for an effective drive to get the cooperation of faculty and students to walk on walks, and working could be done for the new expenditure of money and effort, which could be so rewarding in increased pride in this university.



15-00000-15, 1964

Along the women's dormitory area the most urgent need is (1) the long-promised driveway to Mary Lyon House; (2) Eastman Lane should be paved and a cut-back section provided for perpendicular parking on the south side from Franklin to Johnson House; and (3) improved parking and traffic east of Johnson-Thatcher.

It is encouraging to learn that progress is being made on the Master Plan with new approaches to site planning and architectural design.

Before room rents are raised present dormitories must be completely repaired, gross mistakes corrected, and worn furnishings in student rooms and public rooms refurnished or replaced. This is an extremely large project and will require extensive investigation and action.

A specific recommendation which is opportune now is that a position be established for a skillful seamstress (like Mrs. Janice Taylor of Women's Physical Education) to work full time for maintenance of dormitory furnishings. She could travel to all houses (men's and women's), mending, altering, repairing, or sewing curtains and making minor repairs in upholstery. There would easily be enough work to make a full time job. A skilled person like Mrs. Taylor could also make new curtains for recreation room at such less cost than by outside contractors. Before college opening in September a Home Economics student was employed for a few days in this capacity and demonstrated the value of such service.

It is essential that another person be added to the Dept. of Women's office and trained to handle women's room assignments and adjustments as withdrawals and changing situations develop. This requires intensive work prior to each academic term and during several weeks in Spring for general "room checkout". Assistance is needed with much related work throughout the year. That person is needed to begin work July, 1962. I hope to get a young person with an M.A. in student personnel administration, and preferably with experience in college or university housing, who could "grow" with our developing program. (See Univer- sity of Massachusetts Budget for 1962-63, Grade 14, Administrative Assistant to Dean of Women.)

A critical area affecting women was the vacancy in the position of Assistant Director of Placement—with responsibility for women. It is a great gain to have this position filled with a highly qualified person, Miss Conale Island. I would again urge an assistant for her to augment services to women students in vocational guidance, part-time work and summer placement.

As we approach our Centennial it is appropriate to scrutinize and evaluate what we are doing and set goals for the education of women at the University of Massachusetts in the future. Adequate housing and other provisions must be made so that a concerted plan to admit new women students can be started. This will involve new publications of opportunities for women at the University of Massachusetts and programs to attract talented applicants. More women who have made outstanding achievements in science, arts or political life, or in the arts, should be brought to the campus as speakers or distinguished visitors so help inspire women students regarding the values of education for the whole span of their lives.

The Women's Affairs Committee of the Student Senate, members of Alpha Lambda Delta (Catholic honor society), Mortar Board and others are interested, and I believe a plan will soon begin to take shape for an event during the Centennial which will point in this direction.

Respectfully submitted,

*Helen Curtis*

Helen Curtis, Dean of Women





From: Isabelle Conon, Assistant to the Dean of Women  
To: Helen Curtis, Dean of Women

Date: December 13, 1961

Subject: Administrative

1. Administrative

Class Applications

2. Personnel

Sept. 1959                      Sept. 1960                      Sept. 1961

3. Organizational Chart

Dean of Women

Staff Assistants

Faculty Housewives  
(Not State Employees)

Faculty Advisors

Leaders

Deans  
Advisors

4. Students or Clientele

Sept. 1959

Sept. 1960

Sept. 1961

Undergraduate women 2025

Undergraduate men 2000

Undergraduate women 2025

Sorority members

Sorority members

Sorority members

Faculty advisors

Faculty advisors

Faculty advisors

5. Student Council activities

Conferences on activities and the lives of students,  
Assistance in planning Panhellenic functions and Workshop.  
Submits of policy and administrative matters to University policy and committees.  
Attendance at meetings and functions.

b. Sorority Officers

Officers of the sorority are responsible for the following:  
- Assist in planning Panhellenic functions and Workshop.  
- Submit reports to the University.  
- Attend meetings and functions.  
- Assist in planning Panhellenic functions and Workshop.

Discussion of matters pertinent to their offices.

Officers of the sorority are responsible for the following:  
- Assist in planning Panhellenic functions and Workshop.  
- Submit reports to the University.  
- Attend meetings and functions.  
- Assist in planning Panhellenic functions and Workshop.



c. Alumnae Advisors

Frequent conferences with individual sorority advisors and/or advisors to Alumnae members of concern to them or to the University for problem solving.

d. Cooperation with other University Officers as Sorority Advisors

With campus safety engineer for investigations and follow-up of fire and safety regulations.

With Health Service and Campus Sanitation for safety services and following of health and sanitation requirements.

With Treasurer's office for billing of sorority women.  
With I.B.M. for membership listing.

e. Sorority Housemother

Provide positive and constructive to discuss housemother and discuss consultation in relation to their roles as housemother counselors contribute to the effectiveness of sorority officers and betterment of sorority living.

f. Co-sorority activities

Activities that assist in helping with adjustment of individual students, with referrals to other campus resources, where indicated.

g. Housing

Coordinate room needs to pleasing dormitory assignments of public rooms in meeting the new or re-decorating the old ones.

Making room assignments in dormitories and sororities.

h. Summer Session

Provide accommodations and work with needs of freshmen and sophomores during their summer session.

i. Service on Several University Committees

Admission, Scholarship and Financial Institutions

Publication, Business and Professional Activities

Scholarship Committee of Amherst Women's Club  
Membership, National Association of Women Deans and Counselors

American Association of University Women

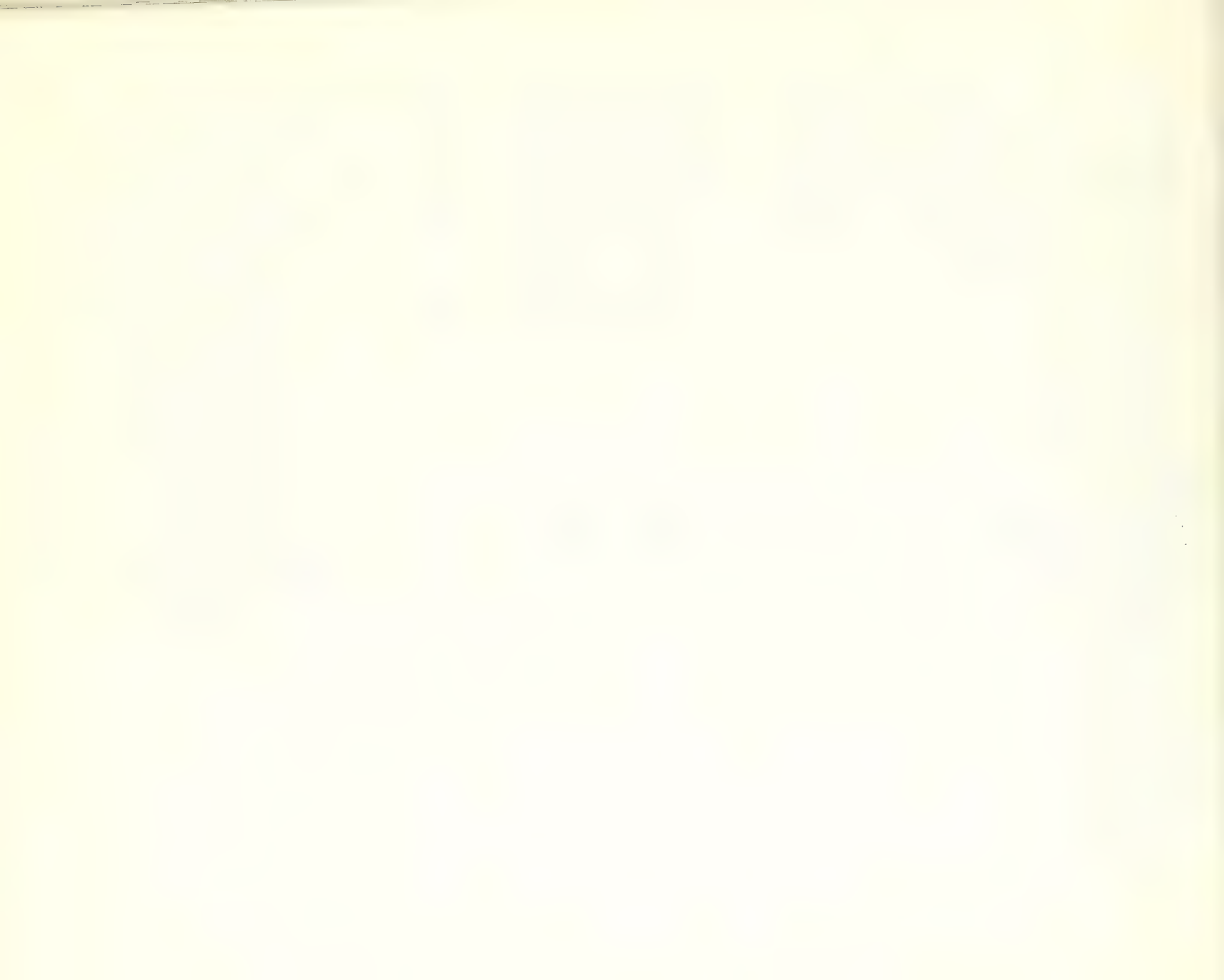
Special Projects or Programs

Sorority opinion poll

A special project was conducted to determine the opinions of the house mother sorority women and report of the results in the study of the year. To date and I listed the results of the survey and in survey the results of the poll are as follows: 88% of the house mother women of the sorority feel that they are relatively free from the pressure of being a house mother. The other 12% of the house mother women feel that they are not free from the pressure of being a house mother. The other 12% of the house mother women feel that they are not free from the pressure of being a house mother.









to be the credit of those women that they give to, for some time with systems and with relatively comprehensive pending completion of the planning investigation. This to be completed as a both adjoining the boundaries of year.

I was a member of the sub-committee of P.C.C. which recommended the passage of the 2-yr. eligibility requirements for officers of major student organizations, subsequently passed by P.C.C. and the Student Senate. It is gratifying to have had a part in the formulation of this policy.

Continuing to go on the job, I could play an important role in a general policy and execution of the conference and in clarifying other concerns for conference cooperation with the educational community of the University. Two sub-committees were set up to examine administrative needs and problems and solutions for the President for his approval.

The change, notably especially in a political for national organizations (see below) also, a local community organizations have been years ago, but general a change in the university. The efforts to prevent a strike leading to national days to be held in institutions. Students were able to undertake some money by selling tickets at the University from within this academic year. They are currently trying to get a university meeting on a temporary basis.

We now have a large voluntary organization in this campus and the local organizations, with a total membership of only 25% of the total membership some for the academic year (Spring). Instead of the 33% of a few years ago.

In response to the interest of a group of women students in establishing a French house, I myself directly with the department heads and with the French department in planning the French activities in Arden Hall, and in arranging for a French table in the Commons. The organization of the group, inspired by a faculty advisor from the French department, and help with the informed and participation of the French speaking level of students at Arden House, leads us to hope to see next spring for a dramatic realization of a French house which would be a French and a French members which would be a teaching of them, and with an emphasis on the French and the students, both.

#### Future Plans and Needs

It is desirable that a committee of students be set up to coordinate the activities being made in coordinating all student personnel activities.

As the student and faculty organizations continue to be possible for study that we go further in clarifying procedures.

Our proposed program of student activities will be made in cooperation with the staff of rapport and accessibility to students.

With the subject of all cases of organizations, the French House Committee of the French department will be a committee which will be a committee in coordination with the French department to coordinate the student organizations of them. Additional committees will be formed, depending on the student response to these committees. The staff of these committees will be set up to be a committee in coordination with the staff in terms of their roles as women and of their life goals.



The need of a general, free admission to the campus, open for all, is not a student group, is essential for a variety of reasons. The first is the necessity of a common meeting place for all students, whether they are in the same or different departments. The second is the necessity of a common meeting place for all students, whether they are in the same or different departments. The third is the necessity of a common meeting place for all students, whether they are in the same or different departments.

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Very truly yours,

*Lucille Brown*

Mrs. Maurine Conner  
Assistant to the Dean of Women









## UNIVERSITY OF MASSACHUSETTS WOMEN STUDENTS RESIDENCES, 1961-62

House	Phone	Address	Head Resident	House Chairman
<b>Dormitories:</b>				
Abigail Adams House	3-9219 3-9216	Campus	Theresa deKerpely (Mrs.) (3-3411, Extension 289)	Martha West '62
Arnold House	3-9230 3-9111	Campus	Jean Churchill (Mrs. Alvord) (3-3411, Extension 482)	Janet Taylor '62
Crabtree House	3-9116 3-9140 3-9168	Campus	Ruth Pitt (Mrs. Lester I.) (3-3411, Extension 469)	Priscilla Lincoln '62
Dwight House	3-9256 3-9149	Campus	Winifred Field (Mrs. Richard) (3-3411, Extension 365)	Jane Grant '62
Hamlin House	3-9267 3-9207 3-9237	Campus	Elsie Rich (Mrs. Mulford E.) (3-3411, Extension 410)	Patricia Valiton '63
Johnson House	3-9109 3-9103	Campus	Elsie Johnson (Mrs. Herbert) (3-3411, Extension 644)	Barbara Viera '63
Knowlton House	3-9153 3-9294 3-9232	Campus	Amy Judge (Mrs. Gerald A.) (3-3411, Extension 409)	Nancy Stiles '62
Leach House	3-9159 3-9210 3-9215	Campus	Marjorie Clough (Mrs.) (3-3411, Extension 468)	Charlotte Kimball '62
Lewis House	3-9273 3-9260	Campus	Marion Cumming (Mrs. R. Stuart) (3-3411, Extension 270)	Lucy Dubiel '62
Mary Lyon House	3-9163	Campus	Frances Pennington (Mrs. George D.) (3-3411, Extension 325)	Jean Condon '62
Thatcher House	3-9249 3-9201	Campus	Betsy Ogletree (Mrs.) (3-3411, Extension 269)	Kathleen Kelley '62
<b>Sororities:</b>				
Alpha Chi Omega	3-2927	Campus only (Sept. 813 <i>Re Pleasant</i> Ext. 476)	Helen Helbling (Mrs. H. E.) 6-6267	Nancy Hanlon '62
Chi Omega	3-9218	315 Lincoln Avenue	Kathryn Young (Mrs. Edward W.) (3-3941)	Barbara Winslow '62
Kappa Alpha Theta	3-7630	778 N. Pleasant St.	Mabel Hamilton (Mrs. James E.) (3-7502)	Mary Jane Stack '62
Kappa Kappa Gamma	3-9202	314 Lincoln Avenue	Laura Martindale (Mrs. Kirby) (3-5650)	Carol Veno '62
Lambda Delta Phi	3-9281	389 N. Pleasant St.	Fmma Marshall (Mrs. Elliott) (3-3821)	Merrilee Atkins '62
Pi Beta Phi	3-3806 3-3565	388 N. Pleasant St.	Anne Mahoney (Mrs. Arthur H.) (3-7360)	Patricia Kraft '62
Sigma Delta Tau	3-9224	409 N. Pleasant St.	Lillian Ryan (Mrs. L.) (3-2967)	Sandra Segel '62
Sigma Kappa (2nd Sem.)	3-9297	19 Allen Street.	Margaret Wellin (Mrs. Frederick) (3-7717)	Elizabeth Murphy '62, Johnson
<b>Presidents:</b>				
<b>Home Economics:</b>				
Honsstead		Campus	Miss Oregana Merriam, (3-3411 Ext. 443)	(House Chairman changes)
OFFICE OF THE DEAN OF WOMEN -- 3-3411, Extension 240) -- DEAN OF WOMEN, HELEN CURTIS				
598) ASSISTANT TO THE DEAN OF WOMEN, ISABELLE CONON (Mrs. Maurice)				
Secretary, Patricia Balooni (Mrs. Edward R.)				





- 1 - Responsibility for advising done by Helen Curtis, Dean of Women
- 2 - Responsibility for advising done by Isabelle Gonon, Asst. to Dean of Women

UNIVERSITY OF MASSACHUSETTS

Reference List of Women Student Leaders for 1961-62

Senate Committee on Women's Affairs:

- 1 Linda Achenbach '62, V-Pres. Senate
- 2 Patricia Chase '63, Chrm. Women's Affairs
- Joan Blodgett '62; Ann Griffin '63; Betsy Robicheau '63; Patricia Sweeney '64

Residence representatives to be elected.

1 Women's Judiciary Board:

- Carol Veno '62, Chief Justice  
Dianne Coyle '62; Jean Bruen '63; Barbara Viera '63; Janice Reimer '64

1 House Chairmen and Counselors:

- Adams House: Martha West '62, Chrm.  
Ann Cohen '63; Ruth A. Kirby '63; Evelyn Ruthel '63; Roben O'Brien '63 (2nd); Dorothy Soja '62; Deborah Toppan '62  
Arnold House: Janet Taylor '62, Chrm.  
Marjorie Friedman '63; Janice Jones '63;

- Barbara Johnson '63; Mina Lowe '63; Carol McDonough '63; Susan Onksen '62 (1st); Joan Orrell '63; Janet Parisl '62; Pamela Perkins '63 (2nd)

Crabtree House: Priscilla Lincoln '62, Chrm.

- Anne Barton '63; Susan Brand '63; Lana Canavan '63; Nancy Gregory '63; Anne Griffin '63; Karen Kober '63; Sandra Russell '63

Dwight House: Jane Grant '62, Chrm.

- Jean Bruen '63; Rosanne Catalano '63;

- Rajja Nuppola '63; Barbara Sneider '63;

Lois Tatarian '63; Joan Werner '63

Hamlin House: Patricia Valiton '63, Chrm.

- Elizabeth Erker '64; Nancy Kenyon '63;

- Gloria Presser '62; Betsy Robicheau '63;

- Susan Spearen '63; Jo Ann Veale '63

Johnson House; Barbara Viera '63, Chrm.

- Constance Creamer '63; Roberta Hanna '63;

- Barbara Lavalette '63; Ada (Lisa) Nordberg '63;

- Carolyn Mosden '63; Marjorie Olson '63;

- Judith Wilkinson '63

Knowlton House: Nancy Stiles '62, Chrm.

- Barbara Cushing '63; Elizabeth Johnson '63;

- Carol Madison '63; Elaine Menin '63; Joanne

- Solitario '63; Sandra Tomlinson '62

Leach House; Charlotte Kimball '62, Chrm.

- Patricia Chase '63; Jan Lee Clement '63;

- Eleanor Harrington '63; Ann Huska '63;

- Rita Liscioffi '63; Gertrude Meyer '62

Lewis House; Lucy Dubiel '62, Chrm.

- Elaine Carlson '63; Doris Hollis '62;

- Janet Louls '63; Sara O'Reilly '63; Eida

- Ricalzone '62; Judith Ryan '62

Mary Lyon House; Jean Condon '62, Chrm.

- Judith Leonard '62; Carolyn Iizlo '63;

- Marjorie St. Aubin '62; Charlotte Scannell '63;

- Carole Stone '63; Judith Williams '62

Thatcher House; Kathleen Kelley '62, Chrm.

- Virginia Blais '63; Kathryn Connolly '63;

- Shirley Ingalls '63; Marie Mortimer '63;

- Rochelle Simons '63; Joyce Traquair '63

Phi Kappa Phi - National Scholastic Honorary:

- Evelyn Aliferis '62; Merrilee Atkins '62;  
Patricia Conway '62; Martha Crane '62; Jean Rodgers '62

"Class Scholar": Jean Rodgers '62

1 Alpha Lambda Delta, Members, Class of '64:

- Elaine Needham, President; Dorothy Barnes;  
Martha Bertozzi; Susan Black; Deena Ferrigno;  
Michele King; Carol J. Kline; Eunice LeMasurier; Jean McCann; Nancy Mello; Donna Morrison; Barbara Murphy; Alice Pierce;  
Linda Schechterle; Linda Streeter; Judith Young; Sandra Zarvis (Eligible Fall '61;  
Joan Doktor; Virginia Jenkins; Pamela Leger;  
Barbara Walsh.) Jr. Adv.: Carol McDonough '63;  
Sr. Adv.: Irene Tyminski '62

1 Mortar Board - Senior Women's Honorary:

- Linda Achenbach, President; Merrilee Atkins;  
Patricia Conway; Diann Coyle; Alice Edgerton;  
Nancy Hanlon; Donna Pope; Deborah Read;  
Sandra Segel; Mary Jane Stack; Carol Veno

1 Scrolls - Sophomore Honor - Service:

- Janice Reimer, President; Judith Addelson;  
Lynda Bonney; Beverly Christo; Barbara Farrell; Judith Fitts; Claire Goldrick;  
Bonnie Hunter; Marguerite Jordan; Barbara Kelley; Nancy Kornetsky; Edith Leahy; Ann Ledwith; Marie Makinen; Elizabeth Mercer;  
Barbara Murphy; Eleanor Stang; Patricia Stankiewicz; Patricia Sweeney; Linda Swenson;  
Margaret Walter; Leslie Wilcox

Big-Little Sister Committee:

- Judith Addelson '64

- Nancy Kornetsky '64

Women Members of Revelers:

- Jean Alden '62; Patricia Bourbonnais '64;  
Anne Hall '62; Rosemary Hussey '62; Nancy King '62; Carol Madison '63; Alice Pierce '64;  
Barbara Sneider '63; Barbara Viera '63

Women's Athletic Association:

- Eleanor Harrington '63, President

Panhellenic Council:

- Linda Griffin '62, President

2Sorority Presidents:

- Alpha Chi Omega: Nancy Hanlon '62

- Chi Omega: Barbara Winslow '62

- Kappa Alpha Theta: Mary Jane Stack '62

- Kappa Kappa Gamma: Carol Veno '62

- Lambda Delta Phi: Merrilee Atkins '62

- Pi Beta Phi: Patricia Kraft '62

- Sigma Delta Tau: Sandra Segel '62

- Sigma Kappa: Elizabeth Murphy '62

Nurses (Spfld. Hospital) Student Council:

- Rachel Allen '62, President

Inter-Dorm Council:

- Karen Peterson '63, President



Much of the activity of the Registrar's Office is reflected in the annual information furnished in this report. There are other important aspects of the work of the office, however, which are not included, and which should mention some of these.

The Registrar's Office performs the three undergraduate services of Admissions, Registration, and Records. Some of the functions of these several areas are listed below.

1. During the calendar year 1956 a total of 1,000 students graduated from the University. That of these, approximately 500 were in the field of Science, Engineering, and Business Administration. In addition to receiving and evaluating applications, reviewing applications for admission to the University, and advising students on the predicted rating of study for each year, the Registrar's Office also performs the following functions:  
2. There are an increasing number of requests for representation to the office to attend High School Career Fairs, F.F.C. and other fairs to speak on the program of the University. In the calendar year 1956-57 there were 65 such meetings attended. There were in addition to the regular High School Visitation to East Pittsburgh and Gettysburg, Pennsylvania abroad with the program of the University. Attendance is also required in the rapidly changing scientific area.  
3. Transfer applications are evaluated. The number of such increases each year. A whole new service is planned aimed at close cooperation in the field of Science, Engineering, and Business Administration. This function is being developed and will be completed in the near future.  
4. Graduate in, in, and Registration lists are prepared. Distribution of these lists is being completed and will be completed in the near future.  
5. Graduate in, in, and Registration lists are prepared. Distribution of these lists is being completed and will be completed in the near future.  
6. Graduate in, in, and Registration lists are prepared. Distribution of these lists is being completed and will be completed in the near future.  
7. Graduate in, in, and Registration lists are prepared. Distribution of these lists is being completed and will be completed in the near future.  
8. Graduate in, in, and Registration lists are prepared. Distribution of these lists is being completed and will be completed in the near future.

There are many important functions in the area of the Registrar's Office which are not mentioned in this report.



A. ADMISSIONS

Year	1955	1956	1957	1958
Sept.	2,730	2,750	2,750	2,750
Sept.	3,021	3,021	3,021	3,021
Sept.	3,206	3,206	3,206	3,206

2. Freshman students accepted and enrolled

Year	1954	1955	1956	1958
Sept.	370	370	370	370
Sept.	390	390	390	390
Sept.	425	425	425	425
Sept.	538	538	538	538

3. New Freshmen (not including transfer students)

Year	M	W	T	F	S	Su
1961	7	8-1	9-1	10-1	11-1	12-1
1962	8-2	9-2	10-2	11-2	12-2	1-2
1963	1-3	2-3	3-3	4-3	5-3	6-3

Class

Year	Men	Women
1961	40	38
1962	42	37
1963	45	40









b. High School Rank

Interval	Females				Males			
	Number	% of Total	Cum. %	Number	% of Total	Cum. %		
top 1-5%	172	25.7	99.9	63	5.7	100.0		
6-10	101	15.1	53.9	161	12.7	86.6		
11-15	78	11.7	27.0	137	12.3	61.6		
16-20	54	8.1	15.3	218	19.6	49.3		
21-25	31	4.6	7.2	161	14.4	29.7		
26-30	0	0.0	0.0	50	4.5	4.3		
31-35	5	0.7	0.7	28	0.0	0.0		
36-40	9	0.0	0.0	118				
No Report	678							

7. College Board Reports 1960-61

Board Scholastic Aptitude Test. In case the applicant's high school record had several non-certified subjects the Achievement Tests were

January 4637

These reports do not represent total individuals since some had more than one report sent in. In addition to these reports several reports came in separately. No count was kept of these.

b Admissions data 1960-61

and accepted

Step	1956	51	61
506	577	1	
589	91	7	
518	157	17	
499	166	22	
577	171	23	



Former students who re-entered Sept., 1958	13	8
Former students who re-entered Sept., 1959	63	16
Former students who re-entered Sept., 1960	33	14
Former students who re-entered Sept., 1961	63	25

d. Admissions data Spring Semester 1960-61

New Freshmen	21
Transfers	45

B. REGISTRATION

a. Registration and Enrollment Trends.

Year	Men	Women	Total
1962	612	358	980
1963	874	699	1573
1965	1,213	689	1918
Total	3,559	2,335	5,892
Specials	27	69	98
Inmate	3,092	2,105	5,197
Out-of-state	48	30	78
Foreign	9		9

2. Enrollment Trends - Total Undergraduation

Year	Men	Women	Total
1951	1,936	1,021	2,955
1953	2,262	1,220	3,487
1956	2,381	1,312	3,793
1957	2,650	1,361	3,991
1959	3,090	1,765	4,855
1960	3,253	2,000	5,257









Curriculum	1962		1963		1964		1965		Total		Grand Total
	M	W	M	K	M	W	M	W	M	W	
	Geology	5		7	1	10		8		30	
Art	5	4	2	8	1	10	3	5	16	27	43
German	1	7	6		5	8	3	7	15	17	32
History	32	9	38	37	35	36	67	24	168	85	256
Govt.	39	8	68	27	45	24	63	28	217	87	304
Math	57	29	64	41	70	51	116	96	305	217	522
Music	1		1	3	1	3	1		6	6	10
Philosophy	2	3	1	1	2	1	4	1	10	6	16
Phyisc	5	1	12		21	1	36	7	74	9	83
Psych	8	15	15	9	18	29	37	50	78	103	181
Rom. Lang.					1	1	4	12	4	13	17
French	2	8	2	15	4	23	6	32	14	78	92
Spanish	1	6	3	8	2	7	3	8	9	29	38
Italian						1				1	1
Russian	3	2			2	3		1	5	6	11
Sociology	9	19	7	11	8	31	5	20	29	81	110
Speech	3	8	7	10	2	9	1	5	15	32	45
Zoology	3	7	20	13	14	12	26	25	68	57	125
Pre-Med	9	7	25	5	58	9	78	20	168	34	204
Pre-Dnt	9		15		15		34		77		77
Pre-Vet	1		4		7	2	13	4	25	6	31
Latin							1	1	1	1	2
Total ACS	262	266	392	242	429	282	664	699	1747	1359	3116

### College of Agriculture

-Ag. Econ.	3		2	4					2		9
-Food Distrib.	1								1		1
-Ag. Engin.			3						6		6
-Agronomy	5		1	1					9		9
-Dairy			2		3				3		6
-Animal Ind.	5		10	1	5	1			26	3	29
-Entomology	1		2		1				12		12
-Plant Path			1						3		3
-Floriculture			1						1		1
-Fd. Tech.	7		18	1	1			1	5		7
-Food Mgt.	4		8		6			2	32	3	35
-Forestry	15		22		24				21		21
-Wild Liv.	12		8	1	6				26		25
-Tend. Agric.	18		13	2	16				42	1	43
-Extension/Dev.	1		1						55	5	58
-Vet. Pathology	2								3		5
-Poultry	7		3						6		6
-Agric.									1	1	2
Total Ag. Ind.	110	110	110	5	66	2	80	4	327	16	341



Curriculum 1962 1963 1964 1965 Total Grand Total

School of Education

Curriculum	1962		1963		1964		1965		Total	Grand Total
	M	W	M	W	M	W	M	W		
School DA	1		11		121	11	129	6	262	279
Accounting	17	1	42	4	2				61	65
Gen. Bus. Adm.	20		26	1					46	47
Marketing	19	3	16	1					35	37
Management	40		30	1					70	74
Total SDA	97	4	125	7	123	11	129	6	474	502

School of Education

Curriculum	1962		1963		1964		1965		Total	Grand Total
	M	W	M	W	M	W	M	W		
Educ.	85		127		1		100		313	342
Total Educ.	85		127		1		100		313	342

School of Engineering

Curriculum	1962		1963		1964		1965		Total	Grand Total
	M	W	M	W	M	W	M	W		
Engin.					1		263	1	264	265
Chem. Eng'g.	47		33		35	2	2		71	83
Civil Engin.	36		24		44	1	1		71	85
Elect. Engin.	37		7		85		9		128	140
Ind. Engin.	20		4		1				5	6
Mech. Engin.	38		48		45		2		123	135
Total Engin.	152		151		221	3	297	1	821	884

School of Home Economics

Curriculum	1962		1963		1964		1965		Total	Grand Total
	M	W	M	W	M	W	M	W		
Home Ec.	29		26		30		31		116	120
Total Home Ec.	29		26		30		31		116	120

School of Nursing

Curriculum	1962		1963		1964		1965		Total	Grand Total
	M	W	M	W	M	W	M	W		
Nurse	19		21		26		35		101	107
Total Nurse	19		21		26		35		101	107

Men PE  
Women PE  
Rec

Curriculum	1962		1963		1964		1965		Total	Grand Total
	M	W	M	W	M	W	M	W		
Men PE	27		39		30		53		151	161
Women PE	8		20		11		16		55	59
Rec	8	3	7	11					26	34
Total PE	35	3	51	11	41		69		152	164



6. Summer School Undergraduates Registered in 1961

Individual Students

114  
790  
10  
90  
585  
67

Total

1512

Total individuals enrolled during the summer determined from

From other Colleges

Total

Class	1961	1962	1963	1964	1965	Total
1961	524		293			822
1962		981		571		1,452
1964			689			1,700
1965					23	23
Total	3,051	1,921				5,012
			10			94

a. Spring

From

Number of S

Univ.

German 80  
Spanish 1  
Government 53

Total





From	Number of Students	Course
Mt. Holyoke to Univ.	3	German 53
	1	German 52
	1	Protonics 96
	1	Speech 86
	1	Speech 88
	1	Government 96
	1	Public Health 98
	3	
Univ. to	1	PA 72
	1	Italian 24
	1	Latin 6
Univ. to	1	Russian 309
Mt. Holyoke	1	History 281
	1	Philosophy 350
	7	Russian 220
	6	Russian 438
	6	Russian 410
	6	Russian 31
	6	Russian 358
	1	Russian 315
	1	Government 354
	1	Government 448
	1	Government 438
	1	Biotechnology 416
	1	Biotechnology 3
	1	
	1	

to Cooperating Colleges (5)

to enroll in our cooperating colleges to the July



Amphibian	1	Government 95
Art (M/V)	1	Russian 71
Botany	1	English 54
Chemistry	1	Accounting 25
Communicative	1	Entomology 26
Ecology	1	Speech 65
Education	1	
English	1	
French	1	
Geography	1	
History	1	
Mathematics	1	
Music	1	
Philosophy	1	
Physical Education	1	
Psychology	1	
Religion	1	
Science	1	
Social Studies	1	
Spanish	1	
Statistics	1	
Writing	1	
<b>Total</b>	<b>17</b>	

University to Cooperating Colleges - 7  
 Cooperative Colleges to University - 10

C. RECORDS

1961	22	28	11
1962	71	64	50
1963	71	244	135
1964	171	1	315
<b>Total</b>	<b>171</b>	<b>311</b>	<b>1</b>



1957	103	1170	3.3
1958	172	1182	14.3
1959	129	1088	11.3
1960	144	1148	12
1961	167	1266	13.1
1962	166	1356	12.15
1963	270	1838	16.7
1964	315	1725	18.7

c. Conditions of academic dismissals - college year 1959-60

1. Class of 1961  
 January. Dismissal if cumulative average was below 1.4  
 average for the current semester was 1.7 or higher.  
 June. A cumulative average of at least 1.70 required for graduation.
2. Class of 1962  
 except that such a student was not dismissed if the average for the current semester was 1.6 or higher.  
 June. Dismissal if the cumulative average was below 1.6  
 except that such a student was not dismissed if the average for the current semester was 1.7 or higher.
3. Class of 1963  
 except that such a student was not dismissed if the average for the current semester was 1.5 or higher.  
 June. Dismissal if the cumulative average was below 1.5  
 except that such a student was not dismissed if the average for the current semester was 1.6 or higher.
4. Class of 1964  
 January. Dismissal if there failed academic con

By vote of the University Senate the cutting point for of a point over the standard set for previous classes, as a result 64 members of the class of 1964, who under the previous requirement would have qualified to continue at the

Class of 1965 entering in February, 1961  
 June. Same as class of 1964 for January.



d. Summary of withdrawals - College year 1960-61

1. Withdrawals during the semester and reasons.

1.00

Reasons	1961		1962		1963		1964	
	M	W	M	W	M	W	M	W
Difficulty with Studies			4	4	4	4	3	2
Financial	1		2		2		3	
Discipline			1		3	1	1	
Personal			10	4	1	6	2	2
Health	2		3	3	3	2	1	
Reason unknown			1				1	
Marriage			2		1			
Deceased	1						2	

b. Spring semester 73M 19W T92

Reasons	1961		1962		1963		1964	
	M	W	M	W	M	W	M	W
Difficulty with Studies								
Financial	1		1		3		9	2
Transfer			1		1			
Discipline					4		5	
Personal	1	1	4	4	11	1		
Enlistment	1							
Health	1	1	4	4	2	3	4	
Marriage								3

a. Fall Semester

Men 150  
Women 21

b.

Men 261  
Women 76

3. In good standing, but did not return

a. After Fall Semester 63





## Reasons

Financial	1					
Transfer	7	28	2	1		
Discipline	1		3	0		
Personal	3		1			
Military			2			
Withdrawal	1		2			
Other	2	1				
Medical	20	7	7	16	14	
Marriage		9			3	
<b>Totals</b>	<b>33</b>	<b>46</b>	<b>6</b>	<b>58</b>	<b>14</b>	

## 4. Summary of withdrawals college year 1960-61

A total of 852 withdrew for all reasons not including graduation. This is 16.2 per cent of the 5257 undergraduates enrolled in September, 1960.

## 2. Class and University yearly grade point averages

Class of 1961	Number of	Grade Point Average	Average of
			Classes of 1959

Women	622	2.509	2.196
	1763	2.816	2.462

## Class of 1962

## Class of 1963

	1,903	2.016	1.897
	1,996	2.136	

Sum of

Class



Bachelor Degrees awarded 1961. Summary of degrees issued in calendar year 1961 graduated as of September 1961

School	February	June	September	TOTAL
Business	18	80	17	115
Engineering	24	107	1	132
Honors Economics	1	24	2	27
Nursing	0	20	1	21
Physical Education	4	21	0	25
Total	37	756	80	873

4. Transcripts of Records Issued July 1960 to July, 1961.

Transcripts no charge	2039
Transcripts paid	3179

Transcripts no charge	728
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Total transcripts paid and free.



**(1960-1961) ANNUAL REPORT OF THE  
PLACEMENT AND FINANCIAL AID SERVICES**

As per the memorandum from the Assistant Secretary of the University dated November 14, 1961, the following report of the activities of the Placement and Financial Aid Services for the period, 1 October 1960 through 30 September 1961, is submitted.

<u>1. APPROPRIATION - Fiscal Year</u>	<u>1959-1960</u>	<u>1960-1961</u>	<u>1961-1962</u>
	<u>Actual</u>	<u>Actual</u>	
	<u>Expenditure</u>	<u>Expenditure</u>	<u>Allotment</u>
Student Labor - 03	\$1872.00	\$2012.23	\$2150.00
Travel - 10	694.00	331.11	300.00
Printing - 11	92.00	12.19	-----
Repairs - 12	35.00	30.30	40.00
Special Supplies - 13	277.00	10.00	200.00
Supplies - 14	1166.00	1623.86	1300.00
Equipment - 15	368.00	320.00	300.00

<u>2. PERSONNEL - Number in each rank</u>	<u>Sept., 1959</u>	<u>Sept., 1960</u>	<u>Sept., 1961</u>
Director of Placement (and Financial Aid Services)	-	1 (1 on sick leave to retirement)	1 (1 on sick leave to retirement)
Professor	1	-	-
Ass't Director of Placement - Men (and Financial Aid Services)	-	1	1
Associate Professor	1	-	-
Ass't Director of Placement - Women (Placement Officer for Women)	1 substituting for	1 substituting for	1
Assistant Professor	(1 on leave without pay)	(1 on leave without pay)	-
Placement Officer	1	1	1
Senior Clerk & Stenographer	1	1	2
Junior Clerk & Stenographer	3	3	2

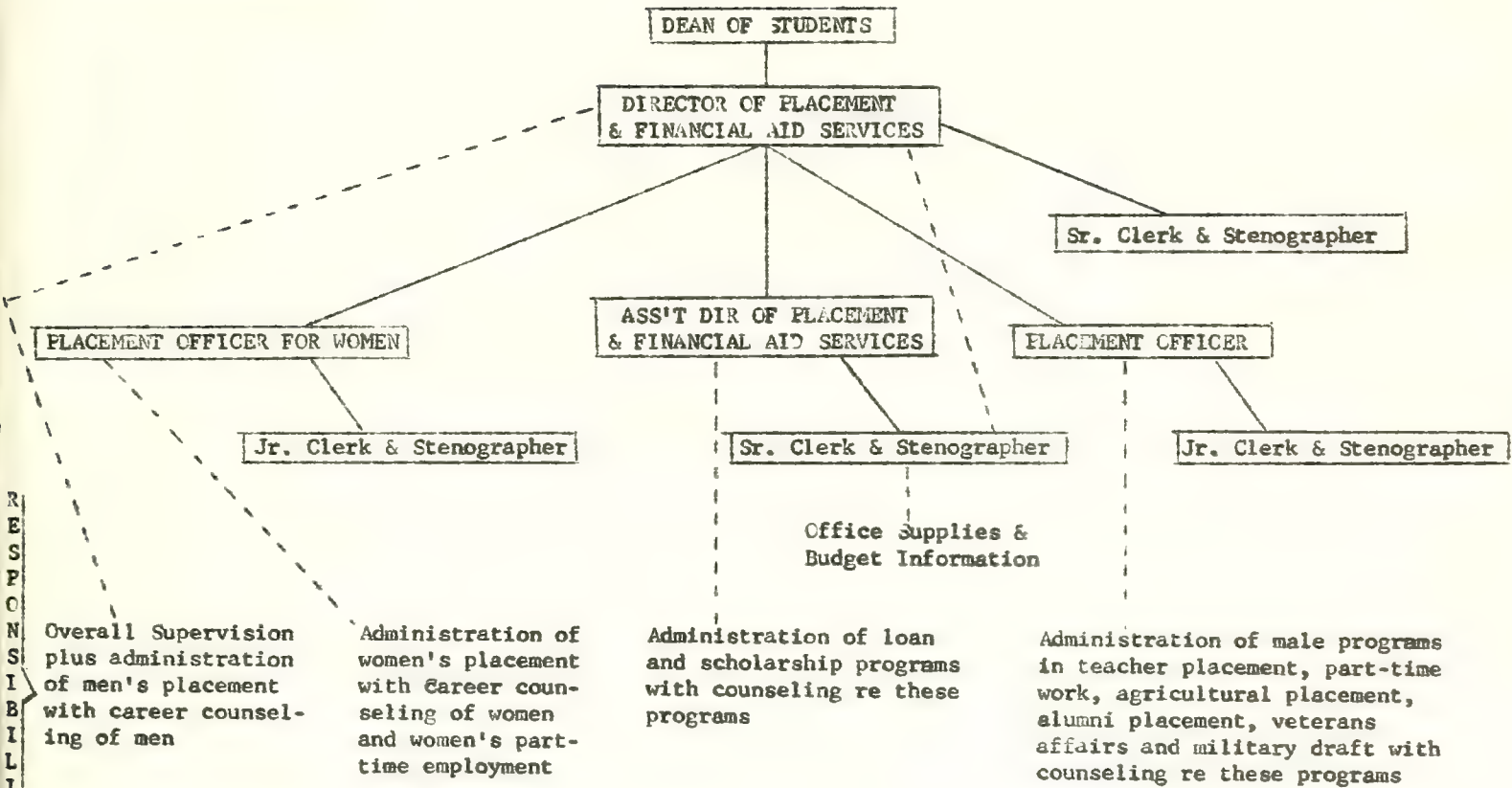
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U.S. DEPARTMENT OF AGRICULTURE  
BUREAU OF PLANT INDUSTRY



3. ORGANIZATIONAL CHART



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Overall Supervision plus administration of men's placement with career counseling of men

Administration of women's placement with career counseling of women and women's part-time employment

Administration of loan and scholarship programs with counseling re these programs

Administration of male programs in teacher placement, part-time work, agricultural placement, alumni placement, veterans affairs and military draft with counseling re these programs



4. STUDENTS OR CLIENTELE

- A. 1. Students - With the integration of loans and scholarships into our overall work load, we are servicing and counseling students in all four classes as well as graduate & Stockbridge students in their financial, placement, and career problems. In addition we service and counsel alumni through correspondence and when they visit the office.

	<u>Sept., 1959-60</u>	<u>Sept., 1960-61</u>	<u>Sept., 1961-62</u>
No. of Seniors (including Stockbridge) to be serviced & counseled for Placement	659	996	1163
Frosh., Soph., Jr., (Approx. figures) counseled regarding career plans	200	200	200
Alumni serviced and counseled (Approx. figures)	85	90	150
Part-time Student Workers (See Appendix A)	1778	1477	(will increase)
Veterans Serviced (See Appendix B)	616	404	187
Draft credentials and information	596	789	(will increase)
Students counseled, serviced & applying for Scholarships & Grants in Aid & Loans (See Appendixes E & F)	Not our function in previous years		2500
	<u>1959-60</u>	<u>1960-61</u>	<u>1961-62</u>
Firms & Schools sending Recruiters (See Appendix D)	319	320	Expect 350
Interviews Held on Campus	3006	4144	Expect 4500

2. Clientele - Employment Recruiters (including School Administrators (See Appendix C for salary offerings and other information on class of 1961)
3. Clientele - Industrial Representatives and School Administrators visit the office, telephone, write, wire giving information on jobs, company policy, aid to education and request background information on former graduates.



We maintain records on graduates for ten years following graduation. No attempt is made to tabulate the total number of telephone calls, letters, wires and follow-up details.

5. FACULTY PUBLICATIONS, ETC.

- A. The Director had an article in the College Placement Annual of 1961 on communication in job hunting. Annual was distributed free to 190,000
- B. The Director was elected 1st Vice President of Eastern College Personnel Officers Association at Manchester, Vermont.
- C. The Assistant Director prepared a new booklet on Financial Aids.
- D. The Assistant Director represented the University at the Annual College Scholarship Meeting in New York.
- E. The Assistant Director attended a Regional Conference on Financial Aid at Smith College and moderated a panel with prominent persons.
- F. The Director and Assistant Director attended a Placement and Financial Aid Conference of New England State University personnel involved in these duties at Storrs, Connecticut.
- G. The Placement Officer visited the Veterans Administration Offices in Boston to clarify certain veteran affairs.

6. SPECIAL PROJECTS OR PROGRAMS

The Director with the Dean of Students and Director of Placement at Babson Institute held a conference of novice Employment Recruiters on the University campus in May, 1961. 50 men from a cross section of industry attended the three-day affair to hear nationally prominent speakers and panelists. The conference received a prominent write-up in the Journal of College Placement.

7. FUTURE PLANS AND NEEDS

As requested in our 1962-63 budget we are sorely in need of additional personnel. A new professional member of our staff plus at least one Jr.

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Clerk would help to stem the tide of the overwhelming work load.

Our seven typewriters are 1, 2, 5, 7 (2), 11 and 12 years of age. We would like to move to two more electric typewriters as soon as possible.

Our dictating machines are 5 and 13 years of age plus a 2-year old one we have on loan from the Student Union. We are in need of another one (preferably the portable kind) irrespective of the fact that the 13-year old machine needs replacing.

Our one audograph transcriber (servicing three dictating machines, three staff members & three secretaries) is worn out, antiquated and beyond decent repair. We must use only one side of each record because of its inefficiency. We are borrowing others but they are not available when we need them. A new one, or two, of these transcribers is imperative.

A new mimeograph machine should be considered for use of all Personnel Services. We have a heavy volume of mimeograph work and continuous borrowing of other facilities is proving inadequate.

New office furniture for staff and secretaries, while not vitally needed, should be considered as soon as possible.





STUDENT PART-TIME EMPLOYMENT

	<u>NO. OF STUDENTS WORKED</u>	<u>TOTAL EARNINGS</u>
1958 - 1959	1753	\$228,488.66
1959 - 1960	1778	\$263,166.95
1960 - 1961	1477	\$279,298.00

	<u>NUMBER OF WOMEN</u>	<u>NUMBER OF MEN</u>
1958 - 1959	563	1190
1959 - 1960	428	1350
1960 - 1961	513	964



STATISTICS ON VETERANS

Number of Veterans Enrolled for Academic Year, 1959 - 1960	616
Number of Veterans Enrolled for Academic Year, 1960 - 1961	404
Number of Veterans Enrolled for Academic Year, 1961 - 1962	189

## VETERANS

	<u>1960-61</u>	<u>1961-62</u>
Number of Veterans Enrolled Under Public Law 550	357	156
Number of Veterans Enrolled Under Public Law 550 in G. E. Project (Korean War Veterans at Pittsfield C. A. Program)	8	2
Number of Students Enrolled under Public Law 634 (War Orphans)	30	28
Number of Veterans Enrolled under Public Law 894 (Disabled Veterans)	9	3
TOTAL	<u>404</u>	<u>189</u>



INFORMATION ON CLASS OF 1961SALARIES

Women Graduates	\$3300 - \$6780 (Average - \$5909)
Teachers	\$3800 - \$5100 (Average - \$4400)
Engineers	\$5328 - \$7680 (Average - \$6468)
Business Administration - Men	\$4200 - \$7204 (Average - \$5460)
Sciences - Men	\$4320 - \$6504 (Average - \$5773)
Liberal Arts - Men	\$4080 - \$6000 (Average - \$5256)

NUMBER OF 1961 GRADUATES GOING ON FOR FURTHER STUDY

Women	29
Men	86
TOTAL	115

THE LOCATION OF TEACHERS FROM CLASS OF 1961

	<u>WOMEN</u>	<u>MEN</u>	<u>TOTAL</u>
Massachusetts	21	16	37
Connecticut	15	5	20
New York	6	2	8
Others	8	0	8

MILITARY SERVICE

71 men were known to enter immediate military service following graduation.

SENIORS

All senior women are counseled in groups and individually.

All senior men are counseled in groups. Between one-third and one-half of these are counseled individually.





RECRUITING STATISTICS

	<u>1958 - 1959</u>	<u>1959 - 1960</u>	<u>1960 - 1961</u>
Total Recruiters on Campus (Industrial Representatives and School Administrators)	296	319	320
Total Interviews Held on Campus	4501	3006	4144
Industrial Recruiters Interviewing Women on Campus	96	78	99
Industrial Recruiters Interviewing Men on Campus	245	264	268
Teacher Recruiters on Campus	38	45	52

(Believe new state salary minimum  
for teachers - \$4000 - has in-  
creased student interest in the  
teaching field)



NATIONAL DEFENSE LOANS

	<u>1958 - 1959</u>	<u>1959 - 1960</u>	<u>1960 - 1961</u>
Number of Loans	---	87	164
Amount	---	\$46,700.00	\$72,000.00

UNIVERSITY LOANS (Short Term Loans)

	<u>1958 - 1959</u>	<u>1959 - 1960</u>	<u>1960 - 1961</u>
Number of Loans	291	252	225
Amount	\$34,289.95	\$35,271.11	\$30,000.00

MASSACHUSETTS HIGHER EDUCATION LOANS

	<u>1958 - 1959</u>	<u>1959 - 1960</u>	<u>1960 - 1961</u>
Number of Loans	289	344	360
Amount	\$128,045.00	\$155,688.00	\$165,000.00



SCHOLARSHIPS & GRANTS-IN-AID

Since this function was not carried in the Placement & Financial Aid Offices prior to the academic year, 1960 - 1961, no previous figures are given here.

Approximately 7% of our student body receive Scholarship or Grant-in-Aid assistance.

1960 - 1961

Number of freshman (Class of 1964) applicants for Scholarships & Grants-in-Aid	901
Number of Scholarships and Grants-in-Aid granted to freshmen in amounts ranging from \$100 to \$900 (2 out-of-state students received \$1300)	70
Total amount in Scholarships for freshmen	\$ 22,050.00
Total amount in Grants-in-Aid for freshmen	\$ 8,150.00
Number of upperclass applicants for Scholarships and Grants-in-Aid	385
Number of Scholarships & Grants-in-Aid granted to upperclass students in amounts ranging from \$50 to \$900	336
Total amount in Scholarships for upperclass students	\$ 31,440.00
Total amount in Grants-in-Aid for upperclass students	\$ 29,000.00
Number of students receiving outside scholarships of which we are aware with amounts ranging from \$50.00 to \$1800.00	810
Total amount of Outside Scholarships of which we are aware	\$130,000.00



## ANNUAL REPORT OF THE UNIVERSITY LIBRARIAN

July 1, 1960 - June 30, 1961

Period covered by report:

Despite the charge to each director to submit an annual report to the President

of the University on the basis of a year covering October 1 to September 30, the

University Librarian submits a persistent holdout for a report based on a fiscal

year which closely approximates the time span of an academic year, thus providing

a comparable body of statistics which can be properly reconciled. The anomaly

in this report exists in the half dozen days of the first session of the Summer

School which falls in the period of the previous fiscal year; however, the statistical

report on the use of the library by the Summer School, 1960 is included within this

report.

Summary:

The single most important event of the period July 1-August 25, 1960, was the

completion of the moving and rearrangement of the books and periodicals from the old

Library building to the new addition. The bound periodicals were expended into the

4th and 5th levels of the old building, thus allowing for open access directly from

the main or 5th level lobby of the new addition. The front lobby of the Goodell

Building was caged off, thus all traffic was channeled through the north and south

corridors of Level 5 into the new building where the Circulation and Reference Desks

were located.

The books were moved by a carefully selected group of six experienced student

assistants who began work under the supervision of Mr. George Wright, a member of

the Catalog Department, on June 20, 1960. Approximately 235,000 volumes were

moved in the brief span of 9 weeks. Less than 1,000 volumes required rearrangement,

so carefully were shelves measured and allowances for expansion calculated. The

study for this moving project had been undertaken weeks in advance.

Because of the inadequacies of the antiquated rope pull booklift in the old

building, all books from the two mezzanine stack levels were packed in small cartons





and slide down a homemade chute to the connecting floor levels between the two buildings. This situation made the moving program a much longer one than would have been the case if an electric booklift had been available.

The placement of books in the stacks was based on the most-used Dewey Classifications being located in as close proximity to the Circulation Desk as possible. Thus the 700's and 800's (Art and Literature) were placed on the 5th level directly behind the Circulation Desk. 300-200 were located on Level 4; the 300's, 400's, and 500's on the 6th level (new addition); the lesser used 600's on Level 5, and the 500's on the 6th mezzanine of the old building. The least used periodical titles, mostly old sets of agricultural titles, were placed on Level 1 as dead storage. It is anticipated that all material eventually shelved in Level 1 will be shelved by size, so it will consist of seldom used books which should require no direct reader access. Shelving according to standard heights will increase the stack capacity by 35%.

The Librarian is much indebted to the six student assistants of the University for their untiring energy and unflagging interest in this most important but often heresome work. Thanks to the quiet, efficient, and interested supervision exercised by Mr. George Wright the task was executed in record time.

The students who assisted in the move were: Clifton Giles  
Jacqueline Aube  
Claire White  
John Vertz  
Constance Blais  
Virginia Blais

On February 21, 1961, a group of interested students presented to the Librarian a proposal replicate with dingyons for the use of the old North Reading Room in the Goodell Building as an unsupervised area for a study hall between 10:00 p.m. and 12:00 midnight Mondays through Fridays. The Librarian was reluctant to do this without proper supervisory personnel and since there were no additional funds available, the matter was carried over to the next fiscal year for consideration.



Pressures for a smoking room were also exerted by interested students. The Librarian refused to consider this proposal until funds were available for proper ventilating equipment. When the matter was referred by the Librarian to the Student Senate for funds to be appropriated, the plan was defeated.

During the year discussions were undertaken to provide a decision as to the location of a university photographic laboratory. The Librarian had previously purchased microphotographic equipment for the reproduction of library materials which he was prepared to provide for such a laboratory. After much discussion the plan was temporarily dropped.

The Faculty Library Committee held a number of sessions on a proposed plan for the staffing of the departmental libraries. A final plan was submitted to the President in May 1961, virtually recommending the same number of libraries but with the Librarian providing proper staff.

#### Personnel:

The personnel situation for the Library has always been one fraught with serious deficiencies especially in the number of professional positions appropriated within a given fiscal year. The annual legislative process results in positions being appropriated in technical grades: Junior Library Assistant (Group 7), Senior Library Assistant (Group 8), and Library Reference Assistant (Group 11), in answer to repeated requests for Group 11, Cataloger (U of M), and Group 17, Assistant Librarian (U of M).

The problem becomes one of adding more and more inexperienced pairs of hands to the organization without the requisite trained professional supervisory personnel to provide the training and supervision for these untrained personnel. The ratio of professional personnel to technical personnel has remained at 1:4. When it is realized that the larger and better university libraries in the nation operate on a 1:1 or at most a 1:2 basis, the University of Massachusetts Library does not appear very well staffed in the professional grades.

While the technical personnel are needed to man the desks and help in the



coverage of the extended hours of operation, the quality of work produced cannot be top flight without adequate training by professional personnel. Such training to become effective requires professional librarians in number. All librarians today find themselves faced with the ever-present need of developing their own in-service-training programs; the University of Massachusetts is no exception to the rule.

The Librarian has adhered to the management principle that the best available people be hired for professional positions, since a minimum of staff turnover is to be tolerated when a library organization is in the process of expanding.

Apparently the University administration has been slightly critical of the Librarian for the length of time that beginning positions have been left unfilled. This attitude is unrealistic when the Librarian knows that other New England colleges and universities have had such positions unfilled for periods of two years or more. Other university libraries throughout the nation have many vacancies at a time, since the number of competent persons available for this category of work are in extremely short supply.

Therefore, if professional positions are appropriated in numbers, and they must be if the library is to develop properly, the administration must be prepared to face unfilled positions for extended periods of time until proper personnel can be found.

In March 1961 the Librarian was exhorted to abandon the heinous practice of hiring technical personnel in an in limbo of status during an extended period of training. It was felt that personnel should be placed in the positions available at the full starting salary. This practice is indefensible, particularly as two of the technical grades carry excellent salaries for qualified personnel. Obviously if a training period for some duration of time is necessary and if fully qualified persons cannot always be found, and they cannot, then a salary somewhat lower in range is warranted.









Reference and Circulation Department:

This combined department, which includes the interlibrary loans unit and the Periodical Room, has been supervised the past year by Mrs. Louise A. Addison, Chief of Reader Services, who has also served as Reference Librarian.

It was thought advisable during the first full year of library operations in the new addition to combine all public service units, except Reserve Desk, under one experienced librarian acting as chief. This decision allowed for a series of uniform policies and procedures to be established and the centralized training under one person of a largely untrained, inexperienced staff. Mrs. Addison's task was an extremely difficult one, demanding much of her time and energy for the plans and training program.

The use of the Library by faculty and students increased perceptibly over previous years, and it became evident before the end of the academic year that because of the span of administrative control two departments should be created, each with an experienced head, and that a position of Assistant Librarian for Reader Services should be established as soon as possible to act as the Coordinator of all public services.

During the spring of 1961 the Librarian interviewed several candidates for the position of Assistant Librarian. Mr. Robert M. Agard, Librarian of Earlham College, Richmond, Indiana, was chosen as the best qualified and most experienced person. His acceptance of the position is to become effective August 1, 1961.

A brief summary of the activities of each section of this department follows:

REFERENCE SECTION, INCLUDING PERIODICALS, DRAFT LOANS UNIT

This section was moved into its new quarters on the 5th level of the library addition during the early weeks of July 1960. Very fortunately the Librarian was able to hire for the period June - September 10, 1960, Mr. John W. Parker, who has had a number of years of excellent library experience. Mr. Parker served as Assistant Librarian during a portion of the period of his employment and assisted



Mrs. Addison in relocating and reorganizing both the reference and circulation sections. Unfortunately for the Library, Mr. Parker resigned to follow a career in the ministry.

The quality of work of the Reference Department has improved considerably over that of previous years, since much in-service training was instituted for the junior, inexperienced personnel. Periodical indexes were checked with the library's holdings, bibliographies were annotated, and necessary materials lacking in the collection were ordered. The United States government document collection was more intensively used and the Reference staff were introduced to the proper methods of search. A second telephone was added to the communications facilities of the section; microfilm cabinets and vertical file cabinets were also added. An important part of the work of the unit includes the servicing of the extensive microfilm files. It is hoped that within the near future all activities relative to the use of microfilm can be removed to the 4th level, Room 405, where a special reading room is to be provided in the northwest corner of the old building.

The statistics for the interlibrary loan unit are shown in Appendix D-1. Interestingly enough, there is a slight drop off in the number of books borrowed; this is due to a much more careful screening of the student and faculty requests for loans from other libraries. A concerted effort has been made by the Reference staff to substitute material already available in this Library. It is unfortunately true that a large portion of the requests for loan are engendered by faculty use of the Library card catalog.

The most difficult service problem in the Reference area is how to reach adequately the enormous number of students and faculty who do not know how to use properly a large card catalog. Any formalized program of orientation lectures is frustrated by the sheer number of reference staff that would be necessary to cope with such a plan. The ideal time would be the opening weeks of the 2nd semester, when the term paper projects are at their height.



The Librarian is not prepared to entertain such a mass orientation program until the library staff is considerably augmented. The present system of individual contact is the only effective means for the moment. Obviously there are always some dissatisfied or frustrated users who are overlooked.

In September, 1960, Miss Elizabeth Russell was hired as a trained professional reference assistant to help in developing the reference program. Her experience proved to be inadequate and her contract was not renewed upon its expiration.

The Librarian added Mr. Ransom Waterman to the staff in July, 1960, to assist in the reference work and to augment the Librarian's work of the section. In September, 1960, Miss Joyce Herriman, a graduate of the University, Class of 1957, with an M.A. in history, was appointed as the first library trainee in the reference section. Her services at the desk have been outstanding, and it is hoped that a careerist is in the making.

#### CIRCULATION SECTION

The Circulation Section was moved from the 5th level lobby of the East building to the West addition in mid-July, 1960, and with this move was instituted the limited access stack. Preparations for this change had been under way for at least one year, and all books were relocated when the moving operation was undertaken so that the most used materials were closest to the Circulation Desk.

The limited access stack was authorized by a vote of the Faculty Library Committee in 1956, but could not be effectuated until the new Circulation Desk was completed and the East book stack was caged off from the lobby. It was felt that the bound periodicals should remain in an open stack area which could be relatively well supervised from the new Circulation Desk. The demand for library material of this sort is so great that any program of paging service would have required a staffing pattern which could not be fitted into the limited budget. The circulation of bound periodicals has resulted in some loss and a very serious problem of mutilation.

However, every effort is being made to be freed with the destruction of library materials, and there appears to be no adequate means of preventing the recurrence of such incidents. Steps are being taken to reduce the backlog with the accompanying



factor of providing additional staff.

The limited access stack has resulted in a much more intelligent use of library materials, since the average student is ill-prepared to cope with the proper use of the open stack. The open stack presupposes some know'edge of the classification system.

The most significant point for the Librarian is that for the first time in the history of the Library a careful inventory of the collections could be made and an estimate secured of the probable book losses. The figures are terrifying, between 10,000 and 12,000 volumes will eventually turn up missing. A program of replacing the more important materials is now under way and will form a continuing element in the acquisition program for many years to come.

With the closed stack the student is now able to secure definite word as to whether the book is out in circulation or is missing. While the junior faculty complain at this decadent practice pursued by the Librarian, the fact still remains that the open stack does not provide the greatest good to the greatest number in a university population of over 800 students.

It should be added that faculty, graduate students, and honor students are automatically given access to the stacks, and any deserving student whose work has been mentioned at the Reference Desk may receive permission to use the stacks for a period of one day to one month, depending on the magnitude of the project.

The Circulation Desk has been directed by Mrs. Addison with a supervisor of circulation work, Mrs. Kathleen Maspero, as the immediate section chief. During the year new procedures were inaugurated and a training program for student assistants was activated. Mr. Clifton Giles, a former student assistant was employed on a full-time basis as a trainee; he has since entered library school. Giles represents the first full-time male employee who has decided upon the career of a professional Librarian.





The circulation statistics for the year appear as Appendix B in the report. A comparison with the statistics for the year 1959/60 shows an increase in the use of the Library. In 1959/60 circulation reached 36,354 volumes, while in 1960/61 it rose to 62,674. This represents an increase of 26,220 volumes or a percentage rise of 72.22 over the preceding year. The increase is due in part to the limited access stack and the fact that for the first time a legitimate circulation figure has been obtained. An increase of this magnitude is not simply attributable to increased numbers of students.

Use of the building by readers has been compiled in a statistical table which forms Appendix C in this report.

RESERVE DESK

For purposes of administration this unit has been placed under the Chief of Reader Services. In September, 1960, the old Reference Room was refurbished and additional bookshelves were erected providing space for the display of current periodicals. At the outset all issues for the current year of each periodical were displayed; however, within one month after the room was opened 65 separate issues of journals were stolen. Immediately after the inventory was taken and the losses determined, the Librarian established the rule that only the latest issue of a periodical should be displayed on the open shelves. All earlier issues were stored in a room immediately contiguous to the reading area, and issues were loaned only with the signature of the borrower. This practice has served to reduce losses; however, it is a source of disappointment to the Librarian that an area of such importance has had to be so closely supervised!

RESERVE DESK

The Reserve Desk has been attached to the Librarian's Office for purposes of administration, since the supervision of the Reference and Circulation Department required the full attention of the Chief of Reader Services.



This unit was moved September 1960 from extremely crowded quarters on the 6th level of the old building to a large new installation on the 4th level of the West building, providing 410 seats in the reading room and stack space for about 14,000 volumes of reserve books.

Book return slots were provided in the 22-foot long desk, and a special, locked return box for after hours return of books was installed. No basic changes were made in the reserve book procedures, since the system now in operation appears to provide the desired level of service.

The statistics for this unit appear as Appendix B-2 in this report. The Summer School analysis appears as Appendix B-3.

The Summer School use of the library remains as a difficult staff problem for the Librarian. The demands to remain open until 9:00 p.m. Mondays through Thursdays, is not warranted, and the cost of staffing all service areas of the library from 5:00-9:00 p.m. are a drain on the Library budget and can never be properly budgeted in a deficiency operation. The administration has apparently not given adequate consideration to the impact of a summer school on the service costs of the Library.

The approach is largely that of an ostrich burying its head in the sand.

The statistics for this area are shown in the Appendix as B-3 (Reserve Book Circulation) and C-1 (Reader Use).

#### TECHNICAL PROCESSES DIVISION

This division is composed of the Acquisition Department and the Catalog Department.

The entire division is headed by Miss Irene Kavanaugh, Associate Librarian. It is also directly in charge of the Acquisition Department. The Catalog Department and its component units are administered by Miss Irene Kavanaugh, Assistant Librarian.







that this is in the best interests of the University since the University Library collections should receive first consideration. However, during a period of expansion no adequate measures can be taken to satisfy all elements of the University community.

During the year the Librarian was fortunate in securing the services of two experienced librarians. Mrs. Betty Jean Jackson was employed as a cataloger one-half time beginning January 1961; her previous experience was extensive and her presence has resulted in a greatly increased number of books cataloged.

Mrs. Ena M. Cane, Librarian of the Wlately Public Library, was employed February 27, 1961, as the Library of Congress card searcher, thus providing more bibliographical expertise in this area.

On November 21, 1960, the Documents Unit was merged with the Serials Unit and the checking records were moved physically to the Catalog Department, Room 503, for closer supervision and ease of access.

During the late spring of 1961 the decision was made to recatalog all reference books in the Library of Congress classification in anticipation of the change-over to L.C. of the entire Library collection at a later date.

Problems needing consideration:

The more pressing problems which must be considered in the immediate future will require administrative review and the establishment of definite policy.

1. Continuing administrative support in the annual budgets for additional professional and technical positions for the Library. Such positions to be added in agreed upon numbers on an annual basis for a number of years.

This is not a neat package problem that can be solved by one or two annual appropriations.

2. A plan for an academic program covering at least a five-year period in order to provide for the Librarian and his staff a frame of reference





for establishing a series of plans for (a) acquisitions policy  
facilities such as a new  
(c) staffing pattern.

3. Administrative decision as to policy and procedures for the depart-

- (a) Amalgamation into larger units or elimination of libraries.
- (b) Staffing plans including budgeted charges to the University Library for personnel.
- (c) Purchasing of supplies and equipment.

4. Plans for the next library addition or for a new library building which will be necessary within three years.

5. Continuing fiscal support for book and periodical funds for the

- (b) Annual appropriations of smaller amounts, building up over a short period of time to a continuing figure of \$200,000

(c) The fiscal impact of a Law School and a Medical School on the University Library problem.

If the answers to these problems can be ascertained or at least partially supplied, a sensible University Library program can be formulated which will more nearly satisfy long-term needs.

Respectfully submitted,

Hugh Montgomery



Annual Summary of Statistics  
Acquisitions and Cataloging Statistics

July 1, 1960 - June 30, 1961

Books Cataloged by Dewey Classification Groups

Dewey Classification	No. of Vols. Added	Books Discarded
General	37	38
Philosophy	239	14
Religion	102	1
Social Sciences	1,217	72
Languages	38	9
Science	1,046	21
Useful Arts	799	107
Agriculture	218	1
Fine Arts	221	7
Literature	572	61
Travel	91	--
Biography	99	--
History	388	20
Per	2,564	10
Microfilm	2,999	1
L.C. Classification	1,628	--
Devens	--	2
Total	12,256	341

Total Volumes Added 12,256  
Total Volumes Withdrawn 364  
Net total added 11,892

Total Volumes in Library System 239,819

Total Volumes in Dept. Libraries 55,750

Devens Books Recataloged 1  
Replacements 89

Total Purchased Books 4,758  
Total Gifts 6,000  
Total Discarded 11,747

Total Gifts 389  
Books 763  
Serials 180



UNIVERSITY OF MASSACHUSETTS  
LIBRARYCIRCULATION STATISTICS

July 1, 1960 - June 30, 1961

Circulation ..... 32,674  
 Number of days library was open ..... 317  
 Average circulation per day ..... 103

Circulation by Dewey Classification

000 General works	167
100 Philosophy	1,208
200 Religion	823
300 Social Sciences	7,452
400 Linguistics	331
500 Pure Science	875
600-629, 640-699 Applied Science	1,933
630-639 Agriculture	317
700 Arts and Recreation	1,286
800 Literature	11,366
900-909, 930-939 History	3,152
910-919 Geography and Travel	570
920-929 Biography	1,507

in-building September 1960 - June 1961

10,724

52,706

Overnight Reserve Books

9,968

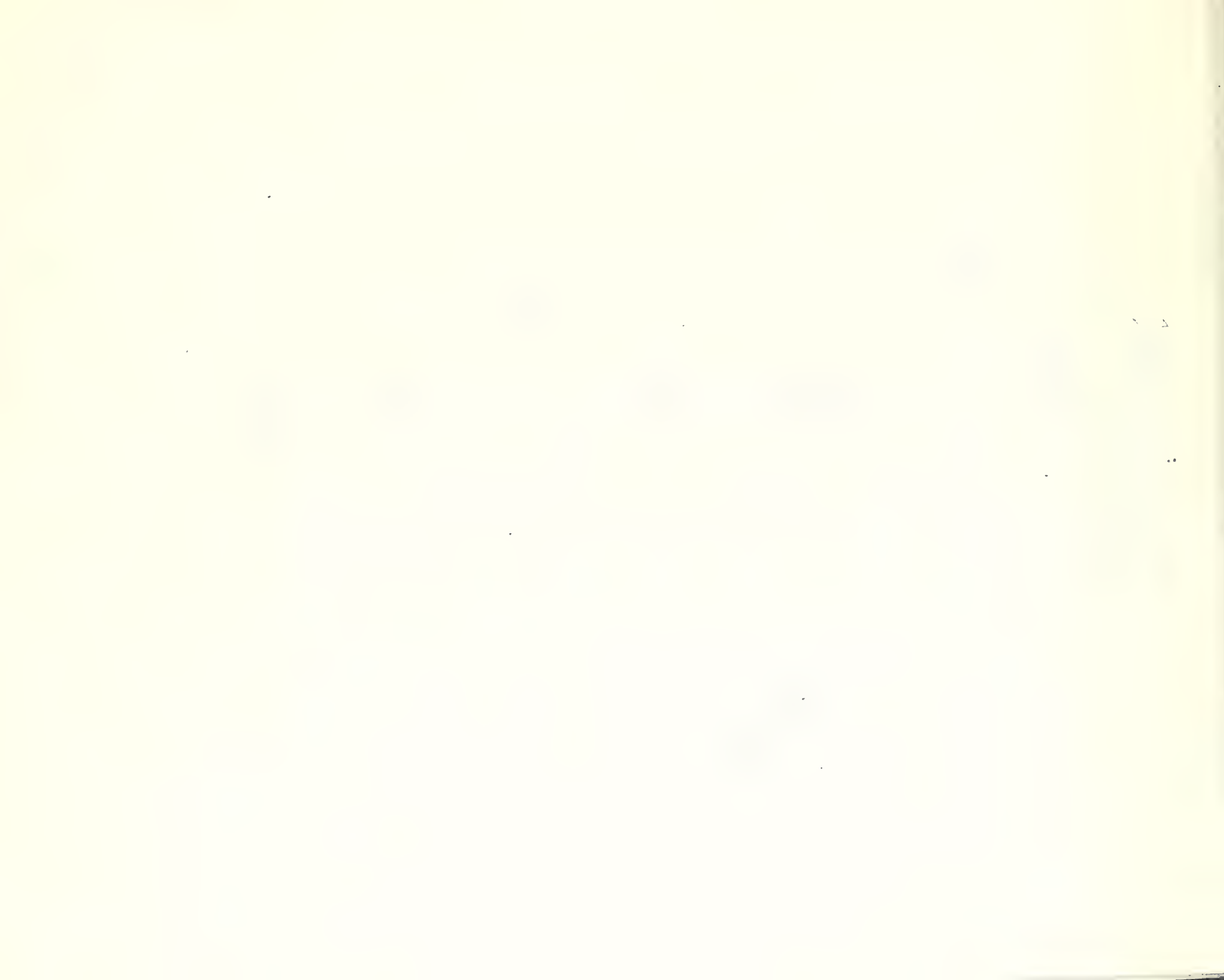
62,674

Largest Circulation by Classification

800 Literature	11,366
300 Social Science	7,452
600-629, 640-699 Applied Science	1,933
900-909, 930-939	3,152

Three Month Daily Average Circulation

1960	8,616
1961	2,537
1962	6,265



UNIVERSITY OF MASSACHUSETTS  
LIBRARYInter-Library Loan Statistics  
1960-1961Books borrowed by University Library.Origin of Library

Amherst	442
Forbes	41
HILC	89
Mt. Holyoke	186
Smith	443
Other Libraries	1866
TOTAL	1866

Books loaned by University Library.Loaned to

Amherst	46
Forbes	2
Mt. Holyoke	48
Smith	43
Other	209
TOTAL	345

Books borrowed by University Library by type of borrower.

<u>Location of Borrower</u>	<u>Number of Borrowers</u>	<u>Number of Books</u>
Amherst	209	186
Forbes	29	6
HILC	59	9
Mt. Holyoke	89	55
Smith	129	203
Other Libraries	<u>50</u>	<u>309</u>
TOTALS	565	765

Amherst	47
Forbes	6
HILC	21
Mt. Holyoke	42
Smith	111
Other Libraries	<u>309</u>
TOTALS	536

Books loaned by University Library

1957-1958	630	Books loaned
1959-1960	1,871	239
1960-1961	1,866	335
TOTALS	4,367	345





## UNIVERSITY OF MASSACHUSETTS

LIBRARY

## RESERVE BOOK CIRCULATION

First Semester  
September 12, 1960 - January 21, 1961

Hours	Circulation	Average per hour	Days
8-9 a.m.	1,232	11.8	104
9-10 a.m.	2,319	22.3	104
10-11 a.m.	2,456	23.6	104
11-12 a.m.	1,954	14.9	104
12-1 p.m.	2,249	21.6	104
1-2 p.m.	2,957	28.6	104
2-3 p.m.	3,747	31.5	119
3-4 p.m.	3,001	21.1	119
4-5 p.m.	1,952	16.4	119
5-6 p.m.	918	9.8	94
6-7 p.m.	2,660	27.9	94
7-8 p.m.	3,338	35.5	94
8-9 p.m.	2,437	25.9	94
9-10 p.m.	652	6.1	94

Total Circulation 31,972

Average per day: 265.6

Total Average Circulation  
Average per night: 34.1

Second Semester  
January 30 - May 29, 1961

Hours	Circulation	Average per hour	Days
8-9 a.m.	1,589	16.4	97
9-10 a.m.	2,444	24.8	97
10-11 a.m.	2,663	27.5	97
11-12 a.m.	2,023	20.9	97
12-1 p.m.	2,390	24.6	97
1-2 p.m.	3,239	33.4	97
2-3 p.m.	5,187	45.9	113
3-4 p.m.	3,760	33.3	113
4-5 p.m.	2,233	19.8	113
5-6 p.m.	1,260	13.8	92
6-7 p.m.	3,562	38.7	92
7-8 p.m.	4,777	42.8	92
8-9 p.m.	1,589	17.3	92
9-10 p.m.	926	10.0	92

Total Circulation 32,716

Average per day: 329.3

Total Average Circulation  
Average per night: 68.4

Total Average per hour 26.7

73,470



UNIVERSITY OF MASSACHUSETTS  
LIBRARY

## Reserve Book Statistics

Summer School

June 27 - September 3, 1960

	Overnight Reservations	Overnight Reservations
June	157	38
July	324	305
August	164	178
September	<u>13</u>	<u>9</u>
Total	860	530
		<u>1,390</u>

Note: Unfortunately, the complete analysis which appears in the 1959/60 Annual Report was not completed in time for this Annual Report.



UNIVERSITY OF MASSACHUSETTS  
LIBRARY

## READER USE STATISTICS

Final Report  
September 12, 1960 - January 21, 1961

Time	Books	Articles	Days
9:30	11,614	127	91
3:00	14,846	163	91
7:15	21,113	271	77
8:45	20,965	265	79

10:00	959	60	16
3:45	1,727	115	15

Time	Books	Articles	Days
9:00	3,703	267	17
8:45	4,726	338	14

Second Report  
January 30 - May 29, 1961

Time	Books	Articles	Days
9:30	13,113	154	85
3:00	17,979	214	86
7:15	22,772	296	77
8:45	24,926	324	77

10:00	1,977	132	15
3:45	3,589	239	15

4:00	3,693	246	15
8:45	4,491	299	15



UNIVERSITY OF MASSACHUSETTS  
LIBRARY

## READER USE STATISTICS

Session StatisticsFirst Session  
June 27 - July 30

Time	Days	Visits	Per day	Days
9:30	376	15.66		24
2:30	417	16.62		24
7:15	333	15.85		21
8:45	329	15.66		21
Saturdays	16	8		2
10:00				

Second Session  
August 1 - September 3

Time	Days	Visits	Per day	Days
9:30	296	12.84		23
3:00	322	12.88		25
Saturdays	6	6		1
10:00				





University of Massachusetts  
Library

## Expenditure for Books and Periodicals

July 1954 - June 1961  
(All figures rounded  
to nearest dollar)

1954/55	\$30,635.00
1955/56	\$41,513.00
1956/57	\$34,570.00
1957/58	\$45,775.00 **
1958/59	\$58,630.00
1959/60	\$65,706.00
1/60 - 3/61	\$100,000.00 **
1960/61	\$170,834.00 ***
1961/62	\$170,000.00 (appropriated) ***

All totals include some expenditures from Trust and Research Funds.

\*\* Includes \$25,000.00 special appropriation

\*\*\* Special appropriation for 1961/62 which "expired" June 1961

\*\*\* Includes \$100,000.00 special appropriation











ment; the courses are Government 25, 51, 75, and 84. Contact hours have generally been most sizeable.

The Bureau is pleased to point out that it played a role with Mayor John Collins of Boston, Mayor Philip Crowley of Everett, Mayor John Donnelly of Malden, and the Seminar Research Bureau of Boston College in the establishment of the Massachusetts League of Cities and Towns which in the course of six months has gained the membership of nearly 60 cities and towns.

It should like to point out that staff members are increasingly called upon to participate in meetings of civic groups as well as those of public officials, and to work on governmental problems. Such appearances continue to occasion a significant number of overtime hours for the staff.

The Bureau has served in an informational and advisory capacity to local,

These and other expansions in the activities of the Bureau and the acceptance of staff members by the concerned groups indicate that the objectives of the Bureau are being achieved.

#### V. PUBLICATIONS

Proceedings of Fifth Assessors School

Public Assistance Workshop

State Regulation of Boston's Financial Administration

#### VI. PROJECTS

Selectmen's Seminars - Bedford - 6









Westover AFB, NCOA - 8

Field Representatives, Massachusetts Department of Commerce  
Newman Club - U of M  
Kiwanis - Randolph

Town-County Conference - Greenfield

Society of Residential Appraisers - Boston

Socoham League of Women Voters

Holy Name Society, Annunciation Church - Florence

Women's Luncheon Club, YWCA - Springfield

Home Economics Extension Leaders

Massachusetts Association of Extension - Haverock

WWLP-TV - Blue Laws

Town of Randolph Government, Scientists

Metropolitan Planning Group - Springfield

Massachusetts Industrial Nurses Association

Massachusetts Conference on Social Welfare

West Springfield Chamber of Commerce

Adarac Study Club

Associated Boards of Health of Franklin County

Holy Name Society - Chicago

Massachusetts Boys' State

Massachusetts Town-County Association

Springfield County Home Economics Leaders







UNIVERSITY OF MASSACHUSETTS

GUIDANCE OFFICE

ANNUAL REPORT - December 15, 1961

1. APPROPRIATIONS

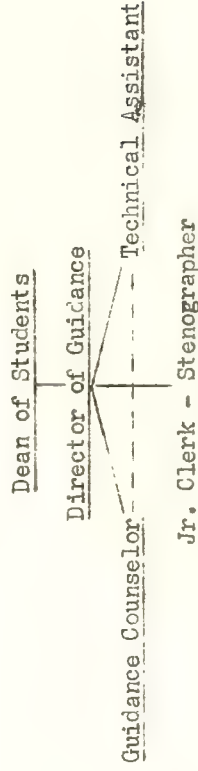
Account	Use	Fiscal Years		
		1959-60	1960-61	1961-62
03	Summer Counseling Faculty Counselors	\$12,640	\$15,000	\$19,170
	Student Labor	(6,000)	(7,030)	(7,350)
	Guidance Office	(640)	(6,247)	(8,400)
			(1,723)	(3,420)
10	Travel	\$ 75.	\$ 100.	\$ 175.
11	Printing	--	10.	--
12	Repairs	50.	30.	30.
13	Test Materials	1500.	2175.	1800.
14	Office Supplies	600.	620.	800.
15	Equipment	--	200.	200.
16	Rental--Test Scoring Machine	840.	750.	750.

2. PERSONNEL

Position Title	No. Positions	Number in Each Rank (Sept.)		
		1959	1960	1961
Director of Guidance	1	1	1	1
Asst. Director of Guidance (created 1961)	1	--	--	*Unfilled
Guidance Counselor (Inst. A)	1	1	1	1
Technical Asst. (10 mos.)	1	1	1	1
Junior Clerk	1	1	1	1

\*Position to be filled in February, 1962

3. ORGANIZATIONAL CHART



The Director of Guidance reports to the Dean of Students. The Guidance Counselor directs much of the Technical Assistant's activities.





#### 4. STUDENTS OR CLIENTELE

Four hundred seventy (470) students were provided personal, educational or vocational counseling over the past year. During the past semester the staff was able to serve to some degree most of the students who found their way to the Guidance Office. This does not suggest in any way, however, that all student counseling needs are being met. Limitations in staff time require that no attempt be made to "advertise" to students the services of the Guidance Office. There is no question but that many students who might profit from guidance go unaided because they are unaware of the Guidance Offices' services.

Very little help with reading and study skills has been afforded students over the past year due to limitations in staff time. The need for such services is considerable. The prospect of providing help in the future (through a collaborative effort with the School of Education) is bright. It is likely that help to substantial numbers of freshmen will be forthcoming some time during the next semester.

The various university departments are making greater and greater use of our facilities for machine scoring examinations. Similar services were provided over the past year to several public schools in this area at low fees. Consultation to schools planning new or expanding existing guidance programs has also been provided in a number of instances.

Data necessary to complete an intensive evaluation of the Summer Counseling placement and test procedures has been collected. The evaluation of these data was interrupted by the reorganization of the Student Personnel Services. It is anticipated that this evaluation will be completed before next summer.

#### 5. RESEARCH PROJECTS

During the past summer and fall, the Dean of Students directed a survey of the financial resources of the parents of students in the Class of 1965. This was a collaborative undertaking involving the Dean of Students' Office, the Placement Office, and the Guidance Office. The Guidance Office provided the major portion of the manpower and technical assistance required by this project.

#### 6. SPECIAL PROJECTS OR PROGRAMS

Summer Counseling is now a firmly established program of generally recognized value to the University students. It has involved and received the cooperation of academic departments, various student personnel offices, the Schedule Office and the Student Union. It provided this past summer to the Class of 1965 the opportunity for advanced placement in languages, mathematics, speech, chemistry and zoology. Approximately 1500 advanced placements were made. The University is thus continuing to recognize excellence in preparation where it exists and to arrange for course selections that are tailored to the individual needs of students.



A test profile on each student of the Class of 1965 has been mailed to the high school from which he graduated. This enables the high school to evaluate the effectiveness of its overall educational program and to determine its success with special programs for the more able students.

In addition to the benefits that derive directly from psychological assessment, the Class of 1965, during Summer Counseling, was pre-registered and had an opportunity to sample campus living. For the fourth year, more than 3000 parents came to the campus during one of the eight counseling sessions and participated in a Parents' Seminar for their orientation to the University.

## 7. FUTURE PLANS AND NEEDS

In the 1960 Annual Report, it was pointed out that the logical development of the Guidance Office services calls for: (1) additional supportive and complementary services to the existing guidance and advisement programs within the various schools and departments; (2) the extension of special guidance services that cannot reasonably be provided within departments; and finally, (3) the development of academic affiliations that will encourage research and permit the growth of graduate programs in guidance and counseling psychology. Substantial progress has been made toward realizing the latter two goals. We are at a point of significant and major decision with respect to the first objective.

A large portion of the efforts of the Guidance Office staff in the months ahead will be directed toward increasing the effectiveness of the present student advisory system. If this system is to meet the real needs of students, a much greater effort must be put into the guidance program.

There is a great need for an arrangement wherein students with low marks would be automatically picked up and provided concentrated guidance until the underlying problem is identified and resolved or the person is referred to a specialist (counseling psychologist, psychiatrist, educational specialist, etc.). Plans for the future of the Guidance Office hinge upon the question of who is going to provide this service to the bulk of the students. At present, some "high morale" departments are doing an excellent job of helping students to identify with an academic discipline and to incorporate that discipline into their sense of professional and personal identity. There are many advisors who are quite effective in guiding students who wish to change majors to fields that are more compatible with their personal assets and interests. (Or, they appropriately refer such students to the Guidance Office.)

This is the kind of departmental-advisory activity that the Guidance Office hopes to promote throughout the University. A logical alternate solution would be to expand the Guidance Office staff radically so that student needs can be met effectively. If it proves unfeasible to develop the current advisory system into a more efficient method of guidance,



then effort will be made to facilitate the alternate solution. It is especially critical that ample provision be made for freshmen and sophomores to receive this kind of assistance from some source.

The Guidance Office staff is in the process of forming complimentary working relationships with the School of Education and the Department of Psychology. The creation of the position of Assistant Director of Guidance provides sufficient staff to supervise practicum training for graduate students in counseling psychology and guidance. Two of the present staff members will be teaching in the spring term, 1962, in the Department of Psychology. The incoming Assistant Director of Guidance will be teaching in the fall semester of 1962. Courses taught will serve the needs of guidance majors and graduate students in counseling psychology.

This coming year, the Summer Counseling Program will be extended for the first time to transfer students. As the public supported junior colleges grow in number, transfers from these institutions will increasingly require the attention of the Guidance Office staff.

There will be continued need for expansion of the Guidance Office staff. This could be a slow expansion geared closely to the expansion of University student body--dictated by its size and the requirements of a limited but comprehensive quality service--or it could be a rapid expansion necessitated by the failure of the present advisory program to provide students with the kind of intensive personalized service that troubled students have a right to expect from us.

Respectfully submitted,



J. Alfred Southworth  
Director of Guidance

JAS:pk











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