

THE · RICE INSTITUTE

PRELIMINARY
ANNOUNCEMENT · OF · THE
FIRST · ACADEMIC
YEAR

· OPENING · SEPTEMBER
TWENTY-THIRD
NINETEEN
TWELVE



HOUSTON, TEXAS

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THE RICE INSTITUTE
OF
LIBERAL AND TECHNICAL
LEARNING

FOUNDED BY
WILLIAM MARSH RICE
AND DEDICATED BY HIM TO
THE ADVANCEMENT OF LETTERS
SCIENCE AND ART

TO BE OPENED FOR THE RECEPTION
OF STUDENTS ON THE
TWENTY-THIRD DAY OF SEPTEMBER
NINETEEN HUNDRED
AND TWELVE

EDGAR ODELL LOVETT
PRESIDENT



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CALENDAR

1912

SEPTEMBER 23-25	<i>Entrance Examinations and Registration</i>
SEPTEMBER 26	<i>Lectures and Recitations of the First Session Begin</i>
OCTOBER 10-12	<i>Formal Inauguration and Dedication of the Institute</i>
NOVEMBER 28	<i>Thanksgiving Day</i>
DECEMBER 20	<i>Autumn Quarter Ends</i>

1913

JANUARY 2	<i>Winter Quarter Begins</i>
FEBRUARY 22	<i>Washington's Birthday</i>
MARCH 3	<i>Texas Independence Day</i>
MARCH 13	<i>Founder's Day</i>
MARCH 22	<i>Winter Quarter Ends</i>
MARCH 24	<i>Spring Quarter Begins</i>
APRIL 13	<i>Jefferson's Birthday</i>
APRIL 21	<i>San Jacinto Day</i>
JUNE 8-10	<i>First Annual Commencement</i>

THE CALENDAR FOR THE SUMMER SESSION WILL APPEAR
IN THE FIRST ANNUAL CATALOGUE

THE RICE INSTITUTE

THE NAME The new institution bears the name of the founder, the late William Marsh Rice. It aspires to university dimensions of the highest standing. Dedicated to the advancement of literature, science, and art, the educational programme of liberal and technical learning now being developed may justify the designation "Institute" as representing the functions of a teaching university and, at least in some of its departments, those of the more recent research foundations established in this country and abroad.

BRIEF HISTORICAL ; SKETCH The Rice Institute was incorporated in 1891 as the William M. Rice Institute for the Advancement of Literature, Science, and Art, under a liberal charter granting a self-perpetuating board of seven life trustees great freedom in the subsequent organization of a non-political and non-sectarian educational institution in the City of Houston, Texas. At present this board of trustees consists of the following members: James Addison Baker, Chairman; James Everett McAshan, Vice-Chairman; Emanuel Raphael, Secretary; Benjamin Botts Rice, Treasurer; Wil-

liam Marsh Rice, Jr., Cesar Maurice Lombardi, and Edgar Odell Lovett. At the expressed wish of the founder the elaboration of his plans was postponed until after his death, which occurred in 1901 under such mysterious circumstances as to involve his estate in long years of litigation. When the trustees came into possession of the full resources of the foundation, which now amount to approximately ten million dollars, they invited Dr. Edgar Odell Lovett, Professor in Princeton University, to assist them in formulating and executing the educational programme of the Institute. The President thereupon undertook a year's journey of study which extended from England to Japan; on the completion of this preliminary investigation, a most suitable site of three hundred acres was secured, and to Messrs. Cram, Goodhue and Ferguson, of Boston, was committed the task of designing a general architectural plan consistent with the programme which had been adopted for the Institute.

In 1911, on the seventy-fifth anniversary of Texan Independence, the corner-stone of the Administration Building was laid by the trustees. This building, together with the first wing of the Engineering Quadrangle, the Mechanical Laboratory and Power House, and the first Residential Hall for Men, is rapidly nearing completion. The initial building schedule includes also special laboratories for instruction

and investigation in physics, chemistry, and biology, and in the application of these sciences to the arts of industry and commerce. In the preparation of these preliminary laboratory plans the Institute has enjoyed the coöperation of an advisory committee consisting of Professor Ames, director of the physical laboratory of Johns Hopkins University; Professor Conklin, director of the biological laboratory of Princeton University; Professor Richards, chairman of the department of chemistry, Harvard University; and Professor Stratton, director of the National Bureau of Standards.

THE FORMAL
OPENING
INAUGURAL
LECTURERS

As already announced on the title page of this brochure the academic work of the Institute will begin this autumn on the 23rd day of September. A few days later the formal opening will be observed with appropriate ceremonies of inauguration and dedication, on October 10th, 11th, and 12th, 1912. Distinguished scholars and scientists from a number of foreign seats of learning have consented to participate in the proceedings of this the Institute's first academic festival by preparing lectures in the fundamental sciences of mathematics, physics, chemistry, and biology, and in the liberal humanities of philosophy, history, letters, and art.

Of the inaugural lecturers the Institute is at

liberty to mention the following, the names being arranged in alphabetical order:

Professor Rafael Altamira y Crevea, of Madrid, Spain; late Professor of the History of Spanish Law in the University of Oviedo; Director of Elementary Education in the Spanish Ministry of Public Instruction.

Professor Emile Borel, of Paris, France; Director of Scientific Studies at the Ecole Normale Supérieure; Editor-in-Chief of *La Revue du Mois*; Professor of the Theory of Functions at the University of Paris.

Senator Benedetto Croce, of Naples, Italy; Life Senator of the Italian Kingdom; Member of various Royal Commissions; Editor of *La Critica*.

Professor Hugo de Vries, of Amsterdam, Holland; Director of the Hortus Botanicus and Professor of the Anatomy and Physiology of Plants in the University of Amsterdam.

Professor Sir Henry Jones, of Glasgow, Scotland; Fellow of the British Academy; Professor of Moral Philosophy in the University of Glasgow; Hibbert Lecturer on Metaphysics at Manchester College, Oxford.

Privy Councillor Baron Dairoku Kikuchi, of Tokyo, Japan; late Japanese Minister of Education; formerly President of the University of Tokyo, and later of the University of Kyoto; recently Lecturer on Japanese Education at the University of London.

Professor John William Mackail, of London, England; former Fellow of Balliol College, and late Professor of Poetry in Oxford University.

Privy Councillor Professor Wilhelm Ostwald, of Gross-Bothen, Germany; late Professor of Chemistry in the University of Leipsic; Nobel Laureate in Chemistry, 1909.

Professor Henri Poincaré, of Paris, France; Member of the French Academy; Commander of the Legion of Honour; Professor of Mathematics and Astronomy at the University of Paris.

Professor Sir William Ramsay, K. C. B., of London, England; late Professor of Chemistry at University College, London; Nobel Laureate in Chemistry, 1904; President of the Seventh International Congress of Applied Chemistry.

Professor Vito Volterra, of Rome, Italy; Life Senator of the Italian Kingdom; Dean of the Faculty of Science and Professor of Mathematical Physics and Celestial Mechanics in the University of Rome; recently Lecturer in the Universities of Paris and Stockholm.

Professors Croce, Kikuchi, Mackail, and Poincaré may be prevented from coming to Houston this autumn; however, in any such event each of these gentlemen will contribute his lectures in manuscript for the proceedings of the opening of the Institute.

THE
FACULTY
OF SCIENCE

The initial staff of the Institute will be organized in a faculty of science and a faculty of letters. Of those who have been selected for positions under the direction of the faculty of science it is possible to announce the following elections, the names appearing in alphabetical order:

Philip Hechman Arbuckle, B. A. (Chicago), of Georgetown, Texas; Director of Athletics in Southwestern University; to be Instructor in Athletics.

Percy John Daniell, M. A. (Cambridge), of Liverpool, England; Senior Wrangler and Rayleigh Prizeman of the University of Cambridge; Lecturer in Mathematics at the University of Liverpool; to be Research Associate in Applied Mathematics.

William Franklin Edwards, B. Sc. (Michigan), of Houston, Texas; formerly Instructor in the University of Michigan, and later President of the University of Washington; to be Lecturer in Chemistry.

Griffith Conrad Evans, Ph. D. (Harvard), of Rome, Italy; Sheldon Fellow of Harvard University; to be Assistant Professor of Pure Mathematics.

Julian Sorell Huxley, M. A. (Oxford), of Oxford, England; Newdigate Prizeman of the University of Oxford; Lecturer in Biology at Bal-

liol College, and Inter-collegiate Lecturer in Oxford University; to be Research Associate in Biology.

Francis Ellis Johnson, B. A., E. E. (Wisconsin), of Houston, Texas; recently with the British Columbia Electric Railway Company; to be Instructor in Electrical Engineering.

Edgar Odell Lovett, Ph. D. (Virginia and Leipsic), LL.D. (Drake and Tulane), of Houston, Texas; formerly Professor of Mathematics in Princeton University, and later Head of the Department of Astronomy in the same institution; President of the Institute; to be Professor of Mathematics.

William Ward Watkin, B. Sc. (Pennsylvania), Architect, of Houston, Texas; to be Instructor in Architectural Engineering.

Harold Albert Wilson, F. R. S., D. Sc. (Cambridge), of Montreal, Canada; Fellow of Trinity College, Cambridge University; formerly Professor in King's College, London; Research Professor in McGill University; to be Professor of Physics.

THE
FACULTY
OF LETTERS

There is being constituted a faculty of letters in which will be developed facilities for elementary and advanced courses in the so-called humanities, thereby enabling the Institute to offer both the advantages of a liberal general education and those of special and

professional training. For these faculties of science and letters the best available instructors and investigators are being sought in the hope of assembling in Houston a group of unusually able scientists and scholars through whose productive work the new university should speedily take a place of considerable importance among the established institutions of the country.

SUBJECTS
OF
INSTRUCTION

As foreshadowed in the organization of the staff of the Institute the subjects in which instruction will be provided as rapidly as possible are mathematics, physics, chemistry, biology, engineering, architecture, ancient languages, modern languages, history, and politics, philosophy and psychology, economics and sociology, and art and archaeology. The programmes of study are being so arranged as to offer a variety of courses leading after four years of undergraduate work to bachelor's degrees in arts, in science, in letters, and in their applications to the several fields of engineering, domestic arts, and other regions of applied science. Extensive general courses in the various domains of scientific knowledge will be available, but in the main the programmes will consist of subjects carefully coördinated and calling for considerable concentration of study. For the advanced degrees, Master of Arts, Doctor of Philosophy, and Doctor of Engineering, every

facility will be afforded properly qualified graduate students to undertake lines of study and research under the direction of the Institute's resident and visiting professors.

REQUIREMENT
FOR
ADMISSION

Candidates for admission to the Institute who present satisfactory testimonials as to their character will be accepted either upon successful examination in the entrance subjects or by certificate of graduation from an accredited public or private high school. The standard requirements for matriculation are determined by the system of units given below. A unit represents a course of study pursued five hours per week for an academic year. Fourteen such units are required for entrance in full standing to the Freshman class of the Institute. A candidate offering twelve units may be accepted with conditions, but all deficiencies must be removed before the student will be recognized as a candidate for any degree.

From the following list every candidate will be required to present three units in English, two and one-half units in mathematics, two units in history, and three units in foreign languages. For the present, in the case of mature candidates whose preparation has not been adequate, compliance with the requirements in foreign languages may be temporarily deferred, but every

such candidate will be expected to remove all language conditions within two years.

LIST OF SUBJECTS WITH VALUES IN UNITS

Botany 1; Chemistry 1; English (Reading and Practice 2, Study and Practice 1); French (Elementary 2, Intermediate 1); German (Elementary 2, Intermediate 1); Greek (Grammar and Elementary Prose Composition 1, Xenophon 1, Homer—*Iliad*, Books I-III 1); History (Ancient 1, Mediaeval and Modern 1, English 1, American 1); Latin (Grammar, Elementary Prose Composition, and Caesar 2, Cicero 1, Vergil 1); Mathematics (Algebra $1\frac{1}{2}$, Plane Geometry 1, Solid Geometry $\frac{1}{2}$, Trigonometry $\frac{1}{2}$); Spanish (Elementary 2, Intermediate 1); Physics 1; Physical Geography 1; Physiology $\frac{1}{2}$; Zoology 1. Substitutes for certain of these subjects may be considered in individual cases.

The terms of admission to the Institute are based on the recommendations of the Carnegie Foundation for the Advancement of Teaching as expressed in the Documents of the College Entrance Examination Board. Complete information with respect to further details of these requirements will be forwarded by the Institute to any candidate upon the receipt of a request addressed to the Office of the President.

SCHOLARSHIPS
AND
FELLOWSHIPS

While seeking to develop its students in character, in culture, and in citizenship, the Rice Institute will reserve for scholarship its highest rewards and in particular for evidences of creative capacity in productive scholarship. To encourage this devotion to learning a series of undergraduate scholarships and graduate fellowships will be devised to be awarded preferably to those honour students who have been in residence at the Institute for at least one year. Moreover the varied opportunities for self-help in a growing institution in a large city should aid in enabling any young Texan of determination to earn his education in a thoroughly democratic college community. There may thus be realized the founder's desire that the advantages which his philanthropy would make possible should be brought within the reach of the promising man of slender means.

Furthermore, the Institute would interpret in a very large way its dedication to the advancement of letters, science, and art. It would not only look to the employment of these disciplines in the development of the life of the individual and in that of the race, but it would also play its part in the progress and enlargement of human knowledge by the contributions of its own resident professors and scholars. Accordingly there should always be associated with

the staff of the Institute a group of advanced students in training for careers both as teachers and researchers: with this end in view graduate fellowships will be awarded from time to time to gifted degree-bearing students of the Institute or other educational foundations of similar standing.

EXPENSES There will be no charge for tuition and no fees for registration or examination in the Institute. A small deposit will be required to cover possible breakage in the laboratories and losses from the libraries; the balance from this contingent fee is, of course, returnable at the close of the session.

ARRANGEMENTS
FOR
RESIDENCE Rooms in the Residential Hall, for Men, completely furnished exclusive of linen, together with table board at the Institute Commons, will be available for from eighteen to twenty dollars per month of four weeks. For both single and double rooms the rental will be uniform without regard to their location, and they will be let in the order of applications received. Diagrams showing the floor plans will be sent on request to anyone who may be interested. Accommodations for the residence of young women on the university grounds will not be offered during the coming year. The Residential Hall for Men is of absolutely fire-proof

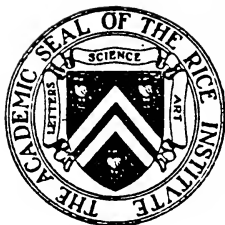
construction, heated by steam, lighted by electricity, cleaned by vacuum apparatus, and equipped with the most approved forms of sanitary plumbing, providing adequate bathing facilities on every floor.

The general plan for the improvement of the site of the Institute calls for a number of playing and exhibition fields in the vicinity of the residential groups. In fact the wide expanse of the campus affords abundant space for every variety of physical exercise. A determined effort will be made to systematize and make general a sane devotion to out-door sports in climatic conditions which render athletics and open-air gymnastics profitably possible the whole year round. The daily time-table of each student will include a definite period under the instructor in athletics. Similarly with a view to developing every student in the manly art of self-defense in oratory and disputation there have been appointed, in the South Tower of the first Residential Hall for Men, halls for two literary and debating societies, whose activities should supplement the work of certain chairs under the faculty of letters.

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