

CONSEIL PERMANENT INTERNATIONAL POUR
L'EXPLORATION DE LA MER

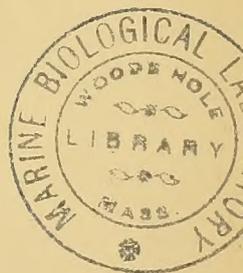
RAPPORTS
ET
PROCÈS-VERBAUX DES RÉUNIONS

VOLUME XXIV

REPORT OF ADMINISTRATION
(1914—15 • 1915—16)

EN COMMISSION CHEZ
ANDR. FRED. HØST & FILS
COPENHAGUE

MARS 1917



CONSEIL PERMANENT INTERNATIONAL POUR
L'EXPLORATION DE LA MER

RAPPORTS

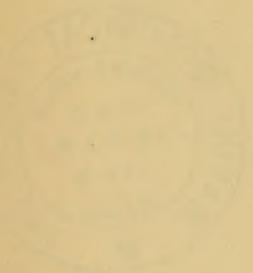
PROCES-VERBAUX DES RÉUNIONS

VOLUME XXIV

REPORT OF ADMINISTRATION
1914-15 - 1915-16

BY COMMISSION THIS
AND PUBLISHED AT THE
COPENHAGEN

COPENHAGEN - IMPRIMERIE BIANCO LUNO



REPORT OF ADMINISTRATION

1914—15 • 1915—16

BUREAU OF THE INTERNATIONAL COUNCIL FOR THE STUDY OF THE SEA

Report of Administration

1914—15 · 1915—16.

According to a communication from the Danish Foreign Office to the Bureau, dated February 1915, the following change has occurred in the composition of the Bureau and the Council.

Composition of
the International
Council

The German Government has stated that Germany will during this war abstain from further co-operation in the work of the International Investigations, because the carrying out of an essential part of the problems has been suspended by the present state of affairs. Consequently the German delegates will not take part in the voting and resolutions of the organisation as long as war continues. The German Government, however, hopes to be able to resume participation when quieter times have set in.

In view of this resolution, Geheimer Legationsrat Rose informed the Bureau that he had to resign as President of the International Council. At the same time he wrote in February 1915 to the General Secretary (in translation): "Since I can no longer consider myself as President of the Council, I feel the need of expressing my heart-felt thanks to all the members of that body, and in particular to those of the Bureau, for the goodwill with which they have at all times supported me in the execution of my official duties. I feel, moreover, that I owe especial thanks to the staff at Copenhagen for the zeal and interest with which they have carried out such duties as have devolved upon them during my period of office. I should esteem it a favour if you would intimate to the members of the Council and of the staff that I shall always remember with gratitude and pleasure the work we have done together". And further: "My Government has, in a note on the subject, expressed the hope that it may, when matters have settled down, again be able to participate. This entirely corresponds to my own personal sentiments. I am firmly convinced that the international work undertaken by the various countries in common on behalf of their fisheries is indispensable. If we wish to maintain our fisheries at a high level, and to develop the same to a flourishing industry, then international co-operation affords the only way by which this object may be attained. You

may therefore confidently rely on my exerting my utmost efforts, as soon as the present disturbances have subsided, to procure the renewal of Germany's participation in the International Investigation of the Sea".

The Council has, after Geheimer Legationsrat Rose's withdrawal as President, by correspondence elected the senior Vice-President, Professor PETERSSON, of Holma, Sweden, as President of the International Council. Professor PETERSSON has acted as President since March 1915.

Dr. REICHARD, Biological Assistant, left the Bureau at the outbreak of the war. The statistical work of his department has since that time been carried on by Captain SCHÖNING.

Administrative
Report

The latest of the "Rapports & Procès-Verbaux" published (for 1913—14), Rapport Administratif etc., contains, besides the usual Report of Administration, Statement of Accounts, Budget etc., a statement of the position of all matters dealt with by the Council at the outbreak of the present war, viz. the British proposal regarding five years' participation and answers as to this matter received from the various Governments, the state of the North Sea plaice question, the Baltic plaice question, the Atlantic hydrographical research question, the salmon question, and the Protocol of the Statistical Committee.

The object of this has been to furnish members of the Council with sufficient data for resumption of the international work at the next Council meeting.

Since the issuing of the said report for 1913—14, no Council meeting has taken place. However, all work which could possibly be carried out in relation to resolutions of the Council has been done, viz. salmon investigations in Denmark, Germany and Sweden, herring investigations in the Kattegat and Skagerrack, and eel investigations. In some countries, measurements of plaice are carried on in order to ascertain the growth of plaice during the last years.

In a letter of 2nd November 1914, Professor HEINCKE stated that he was willing, privately, and also without any claim for incidental expenses, to continue the General Report, as soon as he should have received the English plaice material.

As to the statistical work of the Bureau, Professor D'ARCY THOMPSON, chairman of the Statistical Committee, has undertaken the editorship of the Statistical Bulletin after Dr. REICHARD's resignation from the Bureau.

As will be seen from the report of the hydrographical department (see below page V), at the suggestion of the President, Professor PETERSSON, some elaborate work has been carried out at the Bureau as to the compilation of Atlantic hydrographical surface observations for every month of the year from 1900 to 1914.

All departments of the Central Bureau have been working with material to hand before the war, with administrative matters, etc. The usual Bulletins and several special reports have been published, viz. besides the Hydrographical, Biological and Plankton Bulletins: JOHANSEN's report on the eggs and larval stages and the later stages of Pleuronectid fishes of the Baltic, REDEKE's report

on the present state of our knowledge regarding the races of the chief food fishes, HENKING's report on the salmon investigations, and SCHMIDT's report on eel investigations.

The rent of the flats hitherto occupied by the Bureau in Jens Kofodsgade 2 has been increased. In order to avoid increased expense in consequence, the General Secretary, with the approval of the President, gave notice of removal from October 1916 for the flat on 2nd floor, occupied by the Hydrographical Department, which has since then been partly and provisionally accommodated on the 1st floor, together with the General Secretary's office, the Biological and Plankton Departments.

In accordance with a letter from the German Government of February 1915 to the Danish Foreign Office, no German contribution has been paid for 1914—15.

Contributions

All other countries participating at the outbreak of the war have paid the usual contributions for 1914—15. For 1915—16 no contributions were called for from the participating states, and a reduced budget was adopted by correspondence, allowing for the continuation of the work of the various departments of the Central Bureau, together with the compilation of Atlantic surface observations.

The accounts for 1913—14, 1914—15 and 1915—16 have been revised by the Financial Committee and found in order. They will be submitted to the International Council for its final approval at the next meeting.

Revision of the
Accounts for
1913—14, 1914—
15, 1915—16

From the Statement of Accounts for the financial year 1914—15 (see below) it will be seen that the balance at the end of the year was Kr. 68214.51, while the estimated balance was Kr. 72079.19 with the Russian contribution for 1914—15 (estimated Kr. 26900.00). The difference is due on the one hand to a reduction involved by the Russian contribution for 1914—15 not being paid until next financial year, on the other hand to an increase involved by the saving on the expenditure of about Kr. 23000.

The Accounts for
1914—15

The balance at the end of the year 1915—16 (see below, "Statement of Accounts") was Kr. 42804.14, while the estimated balance was about 12000 Kr. The difference is due to savings on the budget.

The Accounts for
1915—16

As to the result of the work of the department for 1914—15 and 1915—16, the following details have been reported by the Heads of Departments, Professor KNUDSEN, Dr. OSTENFELD and Captain SCHÖNING:

Report of work carried out by the Hydrographical Department of the Bureau during the financial years July 1914—July 1916.

The material for the "Bulletin Hydrographique pour l'année juillet 1913—juin 1914" was dealt with. The customary surface charts and vertical sections were drawn up, and a harmonic analysis of the continuous current measurements in the North Sea August 1913 carried out. A brief survey of the results of the continuous current measurements also carried out in the North Sea during the previous years was included in the Bulletin. The requisite steps were taken for proof-reading and publication of the Bulletin.



Statement of Accounts for the financial year 1914—15.

Receipts:		Estimates	Real Receipts
I. 1 a.	Balance from 1913/14—1914/15	Kr. 28284.10	28284.10
1 b.	Russia's contribution for 1913—14	- 27668.67	27668.67
II. 2-9.	Annual contributions of the governments concerned -	93296.42 ¹⁾	65895.17
III. 10.	Interest	- 0.00	2056.98
IV. 11.	Sale of publications	- 0.00	761.09
Total...		Kr. 149249.19	124666.01

Expenditure:		Estimates	Real Expenditure
I. 1-4.	Salaries	Kr. 14660.00	14660.00
II. 5-6.	Assistance	- 8920.00	8244.50
III. 7.	Incidental Expenses	- 8000.00	8000.00
IV. 8.	Travelling Expenses	- 3000.00	1645.09
V. 9-16.	Expenses of the Office in Copenhagen	- 10420.00	7192.59
VI. 17.	Minor Expenses of Meetings	- 500.00	0.00
VII. 18-24.	Expenses in acc. with spec. Resolutions of the Council -	14270.00 ²⁾	6378.67
VIII. 25-31.	Printing	- 17400.00 ³⁾	10330.65
Total...		Kr. 77170.00	56451.50

Receipts for the financial year 1914—15 Kr. 124666.01

Expenditure - - - - - - 56451.50

Cash balance to carry forward to 1915—16..... **Kr. 68214.51**

¹⁾ The difference between the estimated sum and the real receipt is due to Russia's contribution not being paid until next year.

²⁾ On this amount about 8000 Kr. has been saved, partly on the Plankton report and partly on North Sea temperature observations and preparation of Normal water.

³⁾ On this amount about 7000 Kr. has been saved, partly because the Bulletin statistique was not printed this year, partly because several of the publications were not distributed.

The material for the "Bulletin Hydrographique pour l'année juillet 1914—juin 1915" was, as far as possible, collected, and prepared for the press.

The work of the "Laboratoire Hydrographique" was continued, and the distribution of normal water conducted as hitherto. At the commencement of the war, the Laboratoire Hydrographique and the normal water, with instruments appertaining thereto, and other assets and liabilities, were taken over by Pro-

Statement of Accounts for the financial year 1915—16.

Receipts:		Estimates	Real Receipts
I. Balance brought forward from 1914/15—1915/16.....	Kr. 45000.00 ¹⁾		68214.51
II. Interest.....	-	0.00	2049.01
III. Sale of publications.....	-	0.00	1140.87
		<u>Total... Kr. 45000.00</u>	<u>71404.39²⁾</u>

Expenditure:		Estimates	Real Expenditure
I. 1—4. Salaries	Kr. 8460.00		7262.76
II. 5—6. Assistance	-	6420.00	6400.00
III. 7. Incidental Expenses	-	5000.00	5000.00
IV. 8. Travelling Expenses.....	-	1500.00	1307.10
V. 9—16. Expenses of the Office in Copenhagen.....	-	7920.00	5779.66
VI. 17. Minor Expenses of Meetings	-	0.00	0.00
VII. 18—24. Expenses in acc. with spec. Resolutions of the Council -	3570.00		2850.73
		<u>Total... Kr. 32870.00³⁾</u>	<u>28600.25</u>

Receipts for the financial year 1915—16 Kr. 71404.39

Expenditure - - - - - - 28600.25

Cash balance to carry forward to 1916—17..... Kr. 42804.14⁴⁾

¹⁾ Without Russia's contribution for 1914—15.

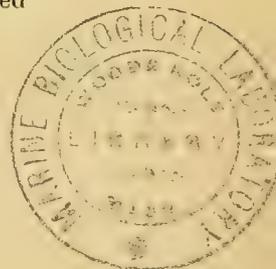
²⁾ Without Russia's contribution for 1914—15 (Rbl. 14430.54) which, however, was received, but deposited in a Petrograd bank, Kr. 15000.00

³⁾ Increased by 1000 Kr. for printing of salmon report and for distribution of reports by agreement of the members of the Council.

⁴⁾ + Russia's contribution, 15000 Kr., deposited in a Petrograd bank.

essor MARTIN KNUDSEN for his personal account, in order to relieve the Council of pecuniary responsibility.

In accordance with a proposal put forward by Professor OTTO PETERSSON, a compilation of the surface temperatures of the Atlantic Ocean was commenced. For this purpose extracts were made from the Journals of the "Deutsche Seewarte". In order to organize the work, Dr. GEHRKE and Miss SCHULTZ visited



Hamburg in November—December 1915. The surface observations published in the Danish "Nautisk-Meteorologisk Aarbog" were further treated, as also similar material received from the Koninklijk Nederlandsch Meteorologisch Instituut.

Since the outbreak of the war, in August 1914, the staff of the Department has been restricted to Professor KNUDSEN, Dr. GEHRKE and Miss SCHULTZ.

Report of work carried out by the Plankton Department of the Bureau
during the financial years July 1914—July 1916.

1. The printing of the "Bulletin planktonique pour l'année 1912", containing Professor H. H. GRAN's memoir: The Plankton Production of the North European Waters in the Spring of 1912 (142 pp. 11 tables and 2 plates) was finished in July 1915 and the Bulletin issued.

2. The Department has prepared a "Catalogue des espèces de plantes et d'animaux observées dans le plankton . . . depuis le mois de juin 1908 jusqu'au mois de décembre 1911", a continuation of the Nos. 33 and 48 of the "Publications de Circonstance". This catalogue is now ready for printing.

3. The alphabetical index to the three published parts of the "Résumé planktonique" has, in the main, been finished.

4. The Head of the Department has begun the working out of the concluding "General part" of the "Résumé planktonique".

Report of work carried out by the Biological Department of the Bureau
during the financial years July 1914—July 1916.

On account of the war, the working out of the Bulletin Statistique has been a great deal delayed by shortage of material. Nevertheless, the department has succeeded in finishing the statistics for the years 1911 and 1912, and it is expected that these two years will be edited during the beginning of 1917. Further, the work with the statistics for the year 1913 has been started, and if the material still wanted should arrive, it is expected to be finished during the spring of 1917.

At the beginning of the war Dr. REICHARD left the Department.

Estimate

of the International Council for the Study of the
Sea for the financial year 1915—1916.

Expenditure:

Head	Nr.	Items	1915—16		
			1914—15	Kroner	Kroner
I	1-4	Salaries		Kroner	Kroner
	1	Principal Assistant for hydrography..	6000	3000	
	2	Principal Assistant for biology	2400	0	
	3	Principal Assistant for Plankton.....	2200	1400	
4	a) 1 st Assist. Secretary	2500	2500		
	b) 2 nd Assist. Secretary	1560	1560		
				8460	
II	5-6	Assistance			
	5	Hydrographical Department	6160	4500	
6	Biological Department.....	2760	1920		
				6420	
III	7	Incidental Expenses General Secretary..	8000	5000	
				5000	
IV	8	Travelling Expenses	3000	1500	
				1500	
V	9-16	Expenses of the office in Copenhagen			
	9	Rent including heating and service at the Bureau	5200	5200	
	10	Furniture of the Bureau	400	0	
	11	Stationery	800	500	
	12	Charts, books, instruments, etc.	700	100	
	13	Telephone, electric light, gas	450	450	
	14	Insurance	70	70	
	15	Postage, freights, telegrams and similar office expenses...	1000	800	
	16	Translation, extra typewriting, correction of proofs, etc.	1800	800	
					7920
		Carried forward			29300

Veranschlagter Etat

des Zentralausschusses für die internationale
Meeresforschung für das Rechnungsjahr 1915—1916.

Ausgaben:

Titel	Nr.	Positionen	1915—16		
			1914—15	Kronen	Kronen
I	1-4	Gehälter		Kronen	Kronen
	1	Assistent für Hydrographie.....	6000	3000	
	2	Assistent für Biologie.....	2400	0	
	3	Assistent für Plankton	2200	1400	
4	a) Sekretär.....	2500	2500		
	b) Sekretär.....	1560	1560		
				8460	
II	5-6	Hilfskräfte			
	5	Hydrographische Abteilung	6160	4500	
6	Biologische Abteilung	2760	1920		
				6420	
III	7	Dienstaufwandsgelder Generalsekretär	8000	5000	
				5000	
IV	8	Reisekosten	3000	1500	
				1500	
V	9-16	Kosten des Bureaus in Kopenhagen			
	9	Miete, einschliesslich Heizung und Bureaudienst	5200	5200	
	10	Unterhaltung und Vervollständigung des Mobiliars	400	0	
	11	Schreibgeräte	800	500	
	12	Karten, Bücher, Instrumente usw. . .	700	100	
	13	Telephon, elektrisches Licht, Gas . .	450	450	
	14	Versicherung.....	70	70	
	15	Porti, Frachten, Depeschen und sonstige Bureauausgaben	1000	800	
	16	Uebersetzungen, extra Maschinenschreibarbeiten, Korrekturlesen usw.....	1800	800	
					7920
		Transp....			29300

Head	Nr.	Items	1914—15			1915—16			Titel	Nr.	Positionen	1914—15		1915—16	
			Kroner	Kroner	Kroner	Kroner	Kroner	Kroner				Kroner	Kroner		
		Brought forward								Transp....				29300	
VI	17	Minor expenses of meetings	500	0	0			VI	17	Kleinere Unkosten der Sitzungen....	500	0	0		
VII	18-24	Expenses in acc. with special resolutions of the Council ...						VII	18-24	Ausgaben in Folgespezieller Beschlüsse des Ausschusses					
	18	Atlantic Surface-Temperature Observations	1070	1070					18	Atlantische Oberflächentemperaturbeobachtungen....	1070	1070			
	19	Preparation of normal water	1000	0					19	Herstellung von Normalwasser	1000	0			
	20	Hydrographical Laboratory	1000	0					20	Hydrographisches Laboratorium ...	1000	0			
	21	Working up material collected on special cruise	600	0					21	Bearbeitung des auf spez. Fahrten gesamm. Materials...	600	0			
	22	Plankton	7000	1500					22	Plankton	7000	1500			
	23	International Herring investigations (see Resolution II b, p. 24, Proc.-Verb. XII) ..	3000	0					23	Internationale Heringuntersuchungen (Siehe Resolution II b, S. 25. Proc. Verb. XII) ..	3000	0			
	24	Prof. Walfrid Ekman for hydrographical work (cf. Proc.-Verb. VII, p. 34) ..	600	0					24	Prof. Walfrid Ekman für hydrographische Arbeit (vergl. Proc.-Verb. VII, S. 35)	600	0		2570	
		Total of the Expenditure Kr.								Summa der Ausgaben ...				31870	

Cash balance

on 21st July 1915 acc. to Budget for 1914—15 (without Russia's contribution for 1914—15, not yet received) about Kr. 45000

Expenditure

acc. to above Statement — - 31870
Cash Balance 21st July 1916... about Kr. 13130

Kassenbestand

am 21. Juli 1915 laut des Budgets für 1914—15 (ohne den noch nicht eingegangenen Beitrag Russlands für 1914—15) ca. Kr. 45000

Ausgaben

laut des obenstehenden Veranschlags — - 31870
Kassenbestand 21. Juli 1916... ca. Kr. 13130

Estimate

of the International Council for the Study of the Sea for the financial year 1916—1917.

Receipts:

Head	Nr.	Items	Kroner	Kroner
I	1	Cash balance on 21st July 1916.....	51496*)	
II	2—6	Annual contributions of governments for 1916-17		
	2	Denmark	4675	
	3	Great Britain	19688	
	4	The Netherlands	4675	
	5	Norway.....	4675	
	6	Sweden.....	4675	
		Total of the receipts..	89884	89884

Veranschlagter Etat

des Zentralausschusses für die internationale Meeresforschung für das Rechnungsjahr 1916—1917.

Einnahmen:

Titel	Nr.	Positionen	Kronen	Kronen
I	1	Kassenbestand am 21. Juli 1916.....	51496*)	
II	2—6	Jahresbeiträge der beteiligten Staaten für 1916-17		
	2	Dänemark.....	4675	
	3	Grossbritannien	19688	
	4	Die Niederlande.....	4675	
	5	Norwegen.....	4675	
	6	Schweden.....	4675	
		Sa. der Einnahmen..	89884	89884

Expenditure:

Head	Nr.	Items	1916—17		
			Before the war	Kroner	Kroner
I	1-3	Salaries			
	1	Principal Assistant for hydrography*)	6000	3000	
	2	Principal Assistant for Plankton*)...	2100	1400	
	3	2 nd Assist. Secretary	1560	1560	
		Total Head I*)..			5960
II	4-6	Assistance			
	4	Hydrographical Department	6160	4500	
	5	Biological Department.....	2760	1920	
	6	Plankt. Department*)	7000	800	
		Total Head II..			7220
III	7-10	Incidental Expenses			
	7	President*)	3600	0	
	8	General Secretary*)..	8000	5000	
	9	Chairman of Editorial Committee..	2000	0	
	10	Chairman of Statistical Committee ...	2000	0	
		Total Head III... ..			5000
		Carried forward			18180

*) See „Remarks“.

Ausgaben:

Titel	Nr.	Positionen	1916—17		
			Vor dem Kriege	Kronen	Kronen
I	1-3	Gehälter			
	1	Assistent für Hydrographie*)	6000	3000	
	2	Assistent für Plankton*).....	2100	1400	
	3	Sekretär	1560	1560	
		Sa. Titel I*)..			5960
II	4-6	Hilfskräfte			
	4	Hydrographische Abteilung	6160	4500	
	5	Biologische Abteilung	2760	1920	
	6	Plankton Abteilung*)	7000	800	
		Sa. Titel II..			7220
III	7-10	Dienstaufwandsgelder			
	7	Präsident*)	3600	0	
	8	Generalsekretär*)...	8000	5000	
	9	Vorsitzender der Druckschriftenkommission.....	2000	0	
	10	Vorsitzender der statistischen Kommission.....	2000	0	
		Sa. Titel III..			5000
		Transp....			18180

*) Siehe „Bemerkungen“.

Remarks.

Receipts:

I-1. Balance on 21st July 1915 according to revised accounts for 1914—15... Kr. 68214.51	
Russian contribution (Rbl. 14430.54).....	- 15151.50
	Kr. 83366.01
Expenditure for 1915—16 estimated	- 31870.00
Cash balance on 21st July 1916.....	Kr. 51496.01

Expenditure:

Total Head I. Reduced by 2500 Kr., the 1st Assistant Secretary having left the Bureau according to her own wish.

II-6. Hitherto the salary for the assistance of the Plankton Department has been under "Plankton" (see Budget for 1915—16, head VII-22). It has now been transferred to II-6, and the amount, 1500 Kr., has been reduced to 800 Kr., as under present circumstances less assistance is required.

I. 1-2 & With reference to a document (of $\frac{3}{16}$)

III. 7-8. — signed by the President, the General Secretary, the Hydrographical and Plankton Assistants — the salaries and incidental expenses for this year have been reduced as for the foregoing year.

V-12. On account of a general raising of rent of houses in Copenhagen and of coal prices, the owners of the house Jens Kofodsgade 2 have increased the rent of the two flats hitherto occupied by the Bureau (to a rent, including heating, of 5200 Kr. yearly). In order to avoid this increased expense, the Bureau has given notice of removal by October next, for the flat on 2nd floor, now occupied by the hydrographical department. This department should then after October 1916 provisionally be lodged on the 1st floor, together with the General Secretary's office, the biological and Plankton departments. Thus the yearly saving on rent will be till October 1917 about 800 Kr. and after this time 660 Kr.

Bemerkungen.

Einnahmen:

I-1. Kassenbestand am 21. Juli 1915 nach dem revidierten Rechnungsabschluss 1914—15.....	Kr. 68214.51
Der russische Beitrag (Rub. 14430.54).....	- 15151.50
	Kr. 83366.01
Veranschlagte Ausgaben 1915—16.....	- 31870.00
Kassenbestand am 21. Juli 1916.....	Kr. 51496.01

Ausgaben:

Titel I. Um 2500 Kr. vermindert, indem die 1. Assistentin ihrem eigenen Wunsche gemäss aus dem Bureau austrat.

II-6. Bisher wurde das Gehalt für die Hilfskraft der Plankton Abteilung unter „Plankton“ aufgeführt (siehe Budget 1915—16, Titel VII-22). Es ist nun auf Titel II-6 übertragen worden, und der Betrag, 1500 Kr., ist, da unter den gegenwärtigen Umständen weniger Hilfskraft erforderlich ist, auf 800 Kr. reduziert worden.

I. 1-2 & Wie ein vom Präsidenten, General-

III. 7-8. sekretär, Hydrographischen Assistenten und Plankton Assistenten unterzeichnetes Schriftstück (vom $\frac{3}{16}$) dertut, sind die Gehälter und gelegentlichen Ausgaben wie im vorigen Jahre reduziert.

V-12. Wegen der allgemeinen Steigerung der Hausmiete in Kopenhagen sowie der Kohlenpreise haben die Besitzer des Hauses Jens Kofodsgade 2 die Miete der beiden bisher vom Bureau benutzten Etagen (auf eine jährliche Miete von 5200 Kr., einschl. Heizung) gesteigert. Um dieser vermehrten Ausgabe abzuwehren, hat das Bureau die jetzt von der hydrographischen Abteilung benutzte Wohnung im 2. Stock auf den kommenden Oktober gekündigt. Diese Abteilung wird dann nach Oktober 1916 vorläufig im 1. Stock zusammen mit dem Bureau des Generalsekretärs, der biologischen Abteilung und der Plankton Abteilung angebracht werden. In der Weise werden bis Oktober 1917 ca. 800 Kr. und dem-

yearly. Since, however, the present rent is running to October 1916, only 600 Kr. of the above named 800 Kr. will be saved on this Budget for 1916—17, the rent including heating being then for this year 5200 Kr. ÷ 600 Kr. = 4600 Kr. Furthermore, by reducing the number of flats, an amount on fuel and cleaning (contained in the 4600 Kr.) will be saved, but this amount can hardly be estimated beforehand (on account of high and varying coal prices, etc.)

VII-22. The Chairman of the Statistical Committee, Professor D'Arcy Thompson, has suggested, and Professor Pettersson as President and Chairman of the Editorial Committee has agreed, that the statistical tables for 1911 and 1912 should be combined in one single volume. The cost of such a Bulletin is estimated at 3400 Kr. In view of the necessity of commencing printing in the present financial year (1915—16), 2000 Kr. of the 3400 Kr. have been appropriated by correspondence between the Bureau and the Delegates (circular from the Bureau of 26th April 1916). Since, however, the Bulletin will not be finished until 1916—17, the whole amount of 3400 Kr. has been put on the present draft budget for 1916—17.

VII-23. The Plankton department has worked out a "Catalogue des espèces de plantes et d'animaux observés dans le plankton etc. 1908—11". The cost of the printing of this catalogue is estimated at 600 Kr. Furthermore 1800 Kr. is estimated for other occasional papers (Publications de Circonstance), announced to the Bureau.

nächst 660 Kr. jährlich an Miete erspart werden. Da aber die gegenwärtige Miete bis Oktober 1916 gilt, werden von den genannten 800 Kr. im Budget von 1916—17 nur 600 Kr. erspart werden, und die Miete einschliesslich Heizung beträgt für dies Jahr somit 5200 Kr. ÷ 600 Kr. = 4600 Kr. Ausserdem wird bei der Verminderung der Räumlichkeiten ein Betrag für Feuerung und Reinhalten (in den 4600 Kr. mit einbegriffen) erspart werden, dessen Grösse sich indessen (wegen der hohen und schwankenden Kohlenpreise usw.) nicht im voraus veranschlagen lässt.

VII-22. Der Vorsitzende der Statistischen Kommission, Professor D'Arcy Thompson, hat vorgeschlagen, und Professor Pettersson hat als Präsident und Vorsitzender der Druckschriftenkommission dem Vorschlag beigestimmt, dass die statistischen Tabellen von 1911 und 1912 in einen Einzelband vereinigt werden. Die Kosten eines solchen Bulletins sind auf 3400 Kr. veranschlagt. Da es notwendig ist, den Druck im gegenwärtigen Etatsjahre (1915—16) zu beginnen, sind nach einer Korrespondenz zwischen dem Bureau und den Delegierten (Rundschreiben des Bureaus vom 26. April 1916) von diesen 3400 Kr. jetzt 2000 Kr. angewiesen worden. Da aber das Bulletin nicht bis 1916—17 fertig hergestellt sein wird, ist der ganze Betrag von 3400 Kr. in gegenwärtigem Auszugsbudget von 1916—17 aufgeführt worden.

VII-23. Die Plankton Abteilung hat ein „Catalogue des espèces de plantes et d'animaux observés dans le plankton etc. 1908—11“ ausgearbeitet. Die Druckkosten dieses Katalogs sind zu 600 Kr. veranschlagt. Zu sonstigen dem Bureau angekündigten gelegentlichen Schriften (Publications de Circonstance) sind 1800 Kr. veranschlagt.

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