

*ANNUAL REPORTS OF THE COMMITTEE OF
THE SEISMOLOGICAL SOCIETY OF JAPAN.*

The Seismological Society of Japan was established at a meeting of many of the residents in Tokio and Yokohama, held at the Tokio University on March 11th 1880. At this Meeting General T. B. Van Buren, U. S. Consul General, whose efforts had a considerable influence in the formation of the society, took the chair. A full report of this meeting may be found in the Japan Gazette of March 12th 1880. The work which has been accomplished by the society since this time, is briefly indicated in the following reports and in the six volumes of Transactions which have been published.

SECRETARY'S REPORT.—MARCH 23RD—1881.

The Committee have the pleasure of presenting the following report.

The Society was organized at a meeting held at the Tokio Daigaku March 11th 1880, and since that time has held regular monthly meetings except during the vacation months in summer.

The number and character of the papers read before the Society have been such as to show the necessity and benefit of united action among students of seismology in Japan. Thus far the papers presented have all been in the English language. The committee are glad to state that papers in Japanese have been promised for the coming year.

The list of members has steadily increased since the foundation of the Society, the few who have resigned having nearly all done so because they were leaving, or soon to leave the country. It seems advisable to create a class of corresponding members, so that those who wish may keep up their connection with the Society after they have left Japan.

The Committee regret that the printing of the Proceedings of the Society has not been as expeditious as they have desired. It was at first debated whether to expend the funds of the Society in publishing papers, or in encouraging and extending seismological observations. The question was decided by the kind offer of the proprietors of the Japan Gazette to print the Proceedings on terms which were very advantageous to the Society. We have been notified that they will be unable to continue this arrangement, so that for the next year the expense of printing which is by far the largest item of our expenditures will fall upon the Society. It is hoped that, with the balance from this year, the income of the next year will enable the Society to print all papers which may be offered.

The Committee wish to call the attention of the Society to the considerable number of Japanese gentlemen who have joined the Society. Believing that, if the Society is to continue for many years, it must depend mainly upon Japanese members for its support, the Committee recommend that timely action be taken by the Society to excite an interest among Japanese scholars in seismology and induce them to join the Society. The Committee would also recommend the publication of a pamphlet in the Japanese language giving an introduction to observational seismology for circulation throughout the country.

During the year a considerable number of machines for recording and measuring earthquakes, all of them the inventions of members, have been exhibited and described before the Society; and a number of them are now in operation. Early in the session a motion was passed that a committee should be appointed to examine each and every machine that was presented to the Society. In accordance with this motion one committee was appointed; but it has not yet reported. It is to be hoped that this resolution may be put in force.

A request has been made to this committee from the University of Tokio to recommend a machine suitable for general use in Japan. The committee desire the reports spoken

of, so that they may be able to fulfil this request and similar ones in the future. The committee recommend the appointment of a *single* committee who shall examine and report on all the machines which have been submitted to the Society.

We add below, the Treasurer's report which has been audited by Professors Gray and Milne; a list of the papers and notes read before the society; and a list of the present members of the society.

In conclusion, the committee congratulate the Society on its success during the first year of its work; on the great advances which, through the researches of its members, have been made in the knowledge of seismology; and on the interest which its labors have excited among scientific men in other lands.

W. S. CHAPLIN.

TREASURER'S REPORT 1880—1881.

Dr.

To Stationery & Printing of Postal Cards etc....	Yen	16.95
„ Heating	„	1.20
„ Advertisements	\$	10.00
„ Cost of Lithographs	„	89.42.9
„ „ „ Observation Books ...	„	32.32
„ Exchange	„	22.37
„ Balance	„	252.63
	<u>\$</u>	<u>285.00</u>
	& Yen	<u>139.89.9</u>

Cr.

By Subscriptions		
from 57-members at \$ 5.00.....	\$	285.00
„ 8 „ „ „ Yen 6.72.5		
to Yen 8.30	Yen	55.97.5
„ Contributions from authors to cost of Lithographs	„	44.71.3
„ Exchange of \$ 22.37 at Yen 1.75	„	39.21.1
	<u>\$</u>	<u>285.00</u>
	& Yen	<u>139.89.9</u>

Note :—All Subscriptions paid to Dec. 31st 1880.

One liability, not yet determined in amount, for one volume of Transactions, approximately \$ 50.00.

Credit Dependency : Balance as above \$ 252.63.

Tokio March 19th 1881.

P. MAYET.
Hon Treasurer.

SECRETARY'S REPORT MARCH 23RD—1882.

During the last year the Society has been quite as prosperous as was expected; the number of members has steadily increased; the funds of the society are in a prosperous condition; and its labors are attracting considerable attention in the scientific world.

Among the agreeable features of this year's work has been the correspondence with the Authorities of the Philippine Islands. The Governor General of those islands, seeing the necessity of studying the phenomena which caused such terrible destruction in Manila, has instituted a special bureau, under the direction of the Inspector General of Mines, with the object of collecting information with regard to earthquakes in the Philippines and other countries. Mr. Abella y Casariego has kindly sent to this society two papers, one of which, written by himself, has already been read, and the other is now being translated and will be presented at an early meeting.

In England Prof. Judd F.R.S. has brought this society to the notice of the Geological Society of London; and in America, Prof. Mendenhall has secured a large number of members.

The second volume of the Society's Transactions has been printed and circulated; the third volume is now in the press at the Insatskioku; and the fourth volume is being printed as rapidly as the papers are read, at the office of the Japan Mail in Yokohama.

The first edition of the Observation-books having been exhausted, it was necessary to print a second one; and advantage has been taken of this opportunity to introduce the Japanese equivalents for the English words in the forms, so that the books can be used by persons who are only acquainted with the Japanese language. About one hundred reports have thus far been received these will be tabulated and published in the transactions.

The Report of the Treasurer showing a balance of \$ 133.83 and yen 652.47, and a list of the papers read before the Society during the last year are appended.

W. S. CHAPLIN.

TREASURER'S REPORT.—1882.

The Balance brought forward from the first year amounted to \$ 252.63. The Income of this year amounted to \$ 81.20 and Yen 728, being the result of 106 subscriptions and of a gain by exchange made on 11 subscriptions paid in the United States. The Total of the Society's Income in cash was therefore \$ 333.83 and Yen 728.

The Expenditures amounted to \$ 210 and Yen 195.53 for printing, translation of a paper, Seismological Exhibition, postage etc.

The Balance to be carried over to next year, amounts therefore to \$ 123.83 and Yen 532.47. The sum kept in Dollars is deposited with the Hongkong and Shanghai Banking Corporation, and the sum kept in Paper yen it is intended to deposit with the Imperial Japanese Postal Saving's bank, so that an interest of $7\frac{1}{2}$ per cent may accrue on it.

All arrears of last year have been collected as well as paid.

The arrears of the year 1881-2 consist of 17 Subscriptions, due, but not yet paid, part of them having to be collected from abroad or outside Yokohama and Tokio, amounting together to \$ 10. and Yen 120.

The Total of Credit Dependencies, bank-deposit cash and arrears together, to be carried over, amounts therefore to \$133.83 and Yen 652.47.

While having the honor of handing in my account and the vouchers, I cannot conclude without tendering my best thanks for the kind assistance in collecting the subscriptions I received from Prof. Mendenhall in the United States, Mr. Holtham in Kobe, Messrs Pryer and Bisset in Yokohama, and Mr. Hattori in Tokio.

P. MAYET.

Hon. Treasurer.

Tokio. 23th of March 1882.

THE SEISMOLOGICAL SOCIETY OF JAPAN

IN ACCOUNT CURRENT WITH THE UNDERSIGNED FOR THE YEAR 1881-2.

	\$	c.	Yen	Sen		\$	c.	Yen	Sen
DR.					CR.				
To <i>Printing</i>					By <i>Balance</i>				
300 Jap. & Engl. Observation-Books			72		Brought forward	252	63		
Bill of the Jap. Gazette Office	200			31	„ <i>Subscriptions</i>				
425 copies of 12 pictures.....			54		As per account rendered collected during the				
„ <i>Seismological Exhibition</i>				87	year 1881-2.				
„ <i>Translation</i>					11 Subscriptions, paid in United States } 72				
of a paper, from Spanish into English lang....	10				4 „ „ with Mex. Dollars }				
„ <i>Postage etc.</i>			4	35	91 „ „ „ Paper yen			728	
„ <i>Balance</i>					„ <i>Gain by Exchange</i>				
In account current with Hongkong and Shang-					on 11 Subscriptions paid in American Dollars	6	20		
hai Banking Corp.	123	83							
In hands of the Hon. Treasurer			532	47		333	83	728	—
Total	333	83	728	—					
					<i>Credit Dependencies</i>				
					Balance as above stated	123	83	532	47
					2 Subscriptions at 5 \$	10			
					15 „ „ „ 8 Yen.....			120	
					Total	133	83	652	47

Tokio 23rd of March 1882.

P. MAYET.
Hon. Treasurer.

The above account, showing the total amount to the credit of the Society as \$ 133.83, and Yen-652.47, has been examined and found correct.

H. M. PAUL.
DR. GOTTSCHÉ.

SECRETARY'S REPORT. APRIL 27TH, 1883.

The Secretary of the Seismological Society of Japan has pleasure in presenting the following, as a report on the work done by the Society during the past year.

Since the election of the present officers of the Society in March 23rd 1882, four general meetings have been held.

At these meetings papers were read which have been published as Volume V of the Transactions of the Society. One paper was published in Spanish and another was translated from the Spanish original. The publication of Vols. III and IV was also accomplished during the year.

Arrangements have been made to have abstracts prepared of all the papers hitherto published in Japanese and to be printed as a portion of the Japanese Transactions of the Society.

Arrangements have also been made, by the appointment of a special committee, for the examination of the numerous notices of Earthquakes which the Society has from time to time received, principally from those to whom observation books had been distributed. The results of this examination will be published.

During the past year several interesting papers in Seismology have been received from Manila. These may be regarded not only as valuable contributions to the Transactions of the Seismological Society, but also as testimonies of appreciation of the Society's work.

In order to engage the interest and cooperation of other nationalities in Seismological investigation the Committee have distributed copies of the Transactions of the Society to the leading Societies, Academies and Seismologists, in various parts of the world.

In many instances there gifts have been acknowledged not only by receipts, but by exchanges

In conclusion the Committee congratulate the Society on the interest which has been shown in its work by various foreign journals, testifying to the advances in Seismology reached by its labours.

JOHN MILNE.

TREASURERS' REPORT FOR 1882-3 P. MAYET AND N. KANDA.

IN ACCOUNT WITH THE SEISMOLOGICAL SOCIETY OF JAPAN.

1882.	Dr.	Yen.	\$.	1882.	Cr.	Yen.	\$.
March 24.	To Balance from the previous year	532.47	123.83	M'ch. 24.	By Printing Transactions, Vol. II, by <i>Japan Mail</i>		50.88
	„ Subscriptions:—			Apr. 10.	„ W. S. Chaplin: for current disburse- ments	16.69	
	8 for 1881	56.00	5.29	May 4.	„ J. Milne: for Plates, &c.	32.30	
	81 for 1882	592.00	37.77	July 1.	„ Gengendo: for Plates for Vol. IV. . .	55.20	
	3 for 1883		15.94	„ 10.	„ Insatsukioku: for Printing Receipts	4.48	
	1 for 1884		5.00	Aug. 1.	„ Sec. H. M. Paul: for Postage, &c. . .	20.00	
				„ 28.	„ Insatsukioku: for Printing Trans- actions, Vol. III	211.583	
				Sept. 26.	„ Sec. H. M. Paul: for Postage, &c. . .	19.58	
				„ 27.	„ Gengendo: for Plates	9.885	
				Nov. 1.	„ Jap. Sec. D. Kikuchi: for Postage &c.	2.81	
				„ 11.	„ Kokubunsha: for Printing	1.00	
				„ 18.	„ K. Sekiya	2.07	
				„ 24.	„ Sec. H. M. Paul	43.20	
				Dec. 21.	„	18.00	
				1883.	„ Japan Mail for Printing Transactions, Vol. IV.		76.18
				Jan. 11.	„ Gengendo: for Plates for Vol. V. . .	100.565	
				„ 18.	„ Sec. H. M. Paul: for sending Tele- gram to Manila	15.00	
				Feb. 14.	„ Treasurer N. Kanda: for Collecting Subscriptions: for Postage, &c. . . .	6.00	
				Apr. 11.	„ Sec. H. M. Paul: for Postage, &c. . .	34.80	
				May 3.	„ Insatsukioku: for Printing Trans- actions, Vol. V; Constitution &c. . .	249.687	
				„	„ Balance due to the Society	337.62	60.77
		1180.47	187.83			1180.47	187.83

Signed. P. Mayet }
 N. Kanda } Hon: Treasurers.

NOTE:— 13 Subscriptions remain to be collected: viz.— 8 from resident members & 5 from non-resident members.

Examined and found correct

H. M. PAUL.
I. HATTORI.