

LIST OF PRESENTS RECEIVED.

NOTE. THIS LIST IS INCLUSIVE OF ALL PRESENTS UP TO
 NOV. 8TH 1883.

Abella y Casariego, Don E.—Memoria acerca de los criaderos auríferos del departamento de Mindanao. Madrid 1879.

Centeno y Garcia, Don J.—Memoria Geologicominera de las Islas Filipinas. Madrid 1876.

Memoirs of the Science Dept. of the University of Tokio:—

No 6—*Atkinson, R. W.*—The Chemistry of Saké—Brewing, Tokio 1881.

No 7—*Mendenhall, T. C.*—The Meteorology of Tokio for the Year 1880. Tokio 1881.

No 8—*Mendenhall, T. C.*—The wave Lengths of some of the Principal Lines of the Solar Spectrum. Tokio 1881.

Proceedings of the Royal Soc. of Edinburgh, Session 1880—81.

General Catalogue of Dartmouth College, Hanover N. H. 1880,

Johns Hopkins University Circulars Vol. II Nos. 19 20.21.22 & 24.

Scientific Proceedings of the Ohio Mechanics Institute Vol. I No. 1.2.3. and Vol. II Nos 1,2.

Proceedings of the California Academy of Sciences:—containing—*Harkness, H. W.*—Footprints found at the Carson State Prison.

Le Conte, J.—Certain Remarkable Tracks found in the Rocks of Carson Quarry.

Gibbes, C. D.—Fossil Jaw of a Mammoth.

Leopoldina. Organ der K. Leop. Carol. deutschen Akademie der Naturforscher. Heft 18 Jar. 1882. Halle 1882.

Geinitz, E.—Das Erdbeben von Iquique am 9 Mai 1877, &c. Bolletino del R. Comitato Geologico d'Italia 1882 Anno XIII Roma 1882.

Observaciones Verificadas del Observatorio Meteorologico del Ateneo Municipal de Manila 1879 Nov. and Dec. Manila. 1880, 1881, 1882, 1883.

Société de Géographie, Compte Rendue 1883 No. 5 10. 11. 12.
13 & 14.

Dechevrens, le P. Marc, S. J., La Lumière Zodiacale. Zikawei
1879.

„ On the Storms of the China seas, &c. Zikawei 1880.

„ The Typhoons of the China seas in the year 1881. Zi-
kawei.

„ Sur l'Inclinaison des Vents, &c. Zikawei 1881.

„ Le Magnétisme Terrestre à Zikawei, Chine. Zikawei
1881

„ Le Typhoon du 31 Juillet 1879. Zikawei 1879.

„ The Climate of Shanghai, Its Meteorolog. Condition
(extract from Transactions).

Zeitschrift der Österreichischen Gesellschaft für Meteorologie
XVIII Bd., Jän.—Feb.—Mär.—Apr.

Bulletin Meusuel de l'Observatoire Magn: & Meteor: de
Zikawei. T. VIII, Ann. 1882.

Catalogue and announcements of the University of Pennsyl-
vania.

Calendar of the University of Michigan,

Papers from the American Journal of Science.

Prof C. G. Rockwood Vol. XXIII Jan. 1882 Volcanoes, what
they are and what they teach (Review). Oct. 1881.
Notes on Earthquakes.

„ Vol. XXI March 1881. Notices of recent American
Earthquakes. Nos 10.

„ Vol. XXII Dec. 1881 Japanese Seismology.

Jahrbücher der K.K. Central-Anstalt für Meteorologie und
Erd Magnetismus Part I 1879.

F. Sandberger. Ueber den Basalt von Naurod bei Wiesbaden
and seine Einschlüsse.

Dr. F. Hochstetter. Ueber Erdbeben mit Beziehung auf das
Agramer Erdbeben vom 9 November 1880.

Transactions of the Connecticut Academy of arts & sciences
Vol. V Pt. 1 & 2.

The Yorkshire College Leeds. Annual Report 1882-3.

Proceedings of the Canadian Institute Toronto. Vol. I F 4.

Atti della R Accademia dei Lincei Vol. VII Pts. 1-10.

Tableau diverses Vitesses.

Publicationen des Astrophysikalischen Observatoriums zu Potsdam. Band III.

Bulletin de la Société de Géographie. 1er Trimestre 1883.

Journal of the Royal United Service Institution Nos. CXIX, CXX and appendix. 1883.

Prof: Dr. R. Hoernes. Erdbeben in Steiermark während des Jahres 1880.

Prof. Dr. R. Hoerness. Die Veränderungen der Gebirge und ihre Beobachtung.

M. J. L. Soret. Sur les travaux de la commission seismologique suisse et sur les tremblements de terre récemment ressens en Savoie.

Chales Soret. Le tremblement de terre du 22 Juillet 1881.

M. Daubrée. Descartes, l'un des créateurs de la cosmologie et de la géologie.

——— Recherches expérimentales sur les cassures qui traversent l'écorce terrestre, &c.

——— Sur les réseaux de cassures ou diaclases qui coupent la série des terrains stratifiés &c.

——— Expériences Synthétiques relatives aux Météorités.

——— Formation contemporaine de diverses espèces minérales cristallisées dans la source thermale de Bourbonne-les-Bains.

——— Sur la relation des sources thermales de Plombières avec les filons metallifères &c.

——— Association du Platine Nativ a des Roches &c.

——— Essai d'une classification des cassures de divers ordres, que présente l'écorce terrestre.

——— Expériences sur la schistosité des roches et sur les déformations de fossils &c.

——— Expériences relatives à la chaleur développée dans les roches par les actions mécaniques &c.

——— Application de la méthode expérimentale à l'étude des déformations et des cassures terrestres.

——— Expériences sur la possibilité d'une infiltration capillaire au travers des matières poreuses &c.

SEISMOLOGICAL SOCIETY OF JAPAN.

CONSTITUTION.

[CORRECTED TO JUNE 7TH 1883.]

1.—This Society shall be called the *Seismological Society of Japan*.

2.—The objects of this Society shall be the furtherance of the study of, and the collection of facts relating to all the phenomena connected with *earthquakes* and *volcanoes*.

3.—At the meetings of the Society papers on general science may be read, subject to the approval of the Society.

4.—This Society shall consist of *Corporation*, *Honorary* and *Ordinary* members.

5.—*Honorary Members*, who must be non-residents in Japan, shall be admitted on grounds to be determined by the Committee.

6.— } Cancelled.
7.— }

8.—The annual subscription shall be due on January 1st, and shall be, for members who receive the English *Transactions*, 6 *yen*, or £ 1., or \$ 5. Japanese members who live in the interior may receive only the Japanese *Transactions*, and in that case the annual subscription shall be 4 *yen*.

9.—The Officers of the Society shall be a *President*, a *Vice-President*, a *Foreign Secretary*, a *Japanese Secretary*, a *Foreign Treasurer*, a *Japanese Treasurer* and five *Ordinary Members*, two of whom shall be residents of Yokohama. These eleven shall form the Committee, of whom four shall form a quorum. The Chairman of the Committee shall have a deciding vote.

10.—The affairs of this Society shall be managed by the Committee, who shall also decide on the papers to be published in the *Transactions* of the Society.

11.—General Meetings, due notice of which shall be given to the Members by the Secretary, shall be held at convenient dates in Tokio or Yokohama.

12.—The Officers of the Society shall be elected each year by ballot at an Annual Meeting.

13.—The Committee shall hold a Meeting one week before each General Meeting.

14.—At the Annual Meeting, the Secretary and the Treasurer shall present their Reports.

15.—Any amendments to this constitution may be proposed at any General Meeting, and shall be considered at the next, when, if two-thirds of the Members are present, it may be passed by a majority vote; if however two-thirds of the Members are *not* present, and the majority of those present are in favor of the amendment, it shall be considered at the succeeding Meeting, when, if a majority of those present are in favor of the amendment, it shall be adopted.

16.—The Secretary shall notify Members of proposed amendments to the constitution.

RULES ADOPTED BY THE COMMITTEE.

[CORRECTED TO JAN. 1. 1883]

1.—Every paper shall be submitted to the Committee, either in full or abstract, before it is put on the list of the Society for public reading.

2.—Any person presenting a paper to the Society shall be required to state whether he intends to publish it elsewhere.

3.—Each paper shall be submitted to a sub-committee who shall have power to recommend whether it shall be printed in the *Transactions* of the Society *by title, in abstract, or in full.*

4.—The printing, in the Society's *Transactions*, of remarks or criticisms upon papers read at any meeting, shall be limited substantially to what was uttered in public at such meeting; or if any new matter, in the way of further remarks or criticism, is offered later, it must first be submitted to the Committee for their decision.

5.—To any new Member of the Society will be given one copy of all the volumes of the *Transactions* published after such Member joins the Society, and to any retiring Member the volumes including the papers read up to the time of such Member's resignation, if all his dues are then paid.

6.—To Members of the Society extra copies of the *Transactions* will be sold at the cost price of publication, which may be learned by application to the Secretary.

OFFICERS OF THE SOCIETY.

FOR 1882—1883.

	<i>President</i> —GENERAL G. YAMADA, MINISTER OF THE																				
	INTERIOR.																				
	<i>Vice-President</i> —DR. G. WAGENER.																				
	<i>Foreign Secretary</i> —PROF. JOHN MILNE.																				
	<i>Japanese Secretary</i> —PROF. D. KIKUCHI.																				
	<i>Foreign Treasurer</i> —E. KNIPPING, ESQ.																				
	<i>Japanese Treasurer</i> —N. KANDA, ESQ.																				
<i>Members of the Committee,</i>	<table style="display: inline-table; vertical-align: middle;"> <tr> <td style="font-size: 3em; vertical-align: middle;">{</td> <td style="padding: 0 10px;"><i>Tokio</i></td> <td style="font-size: 3em; vertical-align: middle;">{</td> <td style="padding: 0 10px;">I. HATTORI, ESQ.</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="padding: 0 10px;">DR. E. DIVERS.</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="padding: 0 10px;">DR. E. NAUMANN.</td> </tr> <tr> <td></td> <td style="vertical-align: middle;"><i>Yokohama</i></td> <td style="font-size: 3em; vertical-align: middle;">{</td> <td style="padding: 0 10px;">CAPT. F. BRINKLEY, R.A.</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="padding: 0 10px;">W. H. TALROT, ESQ.</td> </tr> </table>	{	<i>Tokio</i>	{	I. HATTORI, ESQ.				DR. E. DIVERS.				DR. E. NAUMANN.		<i>Yokohama</i>	{	CAPT. F. BRINKLEY, R.A.				W. H. TALROT, ESQ.
{	<i>Tokio</i>	{	I. HATTORI, ESQ.																		
			DR. E. DIVERS.																		
			DR. E. NAUMANN.																		
	<i>Yokohama</i>	{	CAPT. F. BRINKLEY, R.A.																		
			W. H. TALROT, ESQ.																		

MEMBERS OF THE SOCIETY.

[CORRECTED TO JUNE 7TH 1883].

Honorary Member.

HIS MAJESTY KING KALAKUA of the *Hawaiian Islands.*

Corporation Member.

The *Kayo Gakko*..... *Gifu Ken.*

Ordinary Members.

ABELLA Y CASARIEGO, DON ENRIQUE	<i>Manila.</i>
ALEXANDER, PROF. T, C. E.	<i>Tokio.</i>
ARAI, I.	”
BAELZ, PROF. E., M. D.	”
BASSNET, THOMAS	<i>Jacksonville, Fa., U. S. A.</i>
BASSNET, MRS. T.	”
BEADON, R. J.	<i>Tokio.</i>
BEUKEMA, T. W., M. D.	<i>Yokohama.</i>
BIAGIONI, F.	”
BISSET, J.	”
BLACKISTON, CAPT. T. W., R. A.	”
BOLTON, PROF. H. C.	<i>Hartford, Conn., U. S. A.</i>
BRINKLEY, CAPT. F., R. A., EDITOR OF THE “JAPAN MAIL”	<i>Tokio.</i>
BROWN, A. R.	<i>London.</i>
BROWN, COLVILLE.	”
BROWNE, H. St. JOHN.	<i>Kobe.</i>
BRUSH, PROF. G. J.	<i>New Haven, Conn., U. S. A.</i>
CARCANO, COUNT SILVIO, H. ITALIAN M. CONSUL	<i>Yokohama.</i>
CASATI, LUIGI	<i>Tokio.</i>
CHAMBERLAIN, B. H.	”
CHAMBERS, JOHN, C. E.	”
CHIOSSONE, E.	”
CONDER, JOSIAH.	”
COX, W. D.	”
COX, PROF. E. T.	<i>San Francisco, Cal., U. S. A.</i>
DAN, T.	<i>Tokio.</i>

DIVERS, PROF. E., M. D.	<i>Tokio.</i>
DU BOIS, DR. F.	"
EYKMANN, DR. J. F.	"
ELDRIDGE, STUART, M. D.	<i>Yokohama.</i>
ELGAR, F.	<i>London.</i>
EWING, PROF. J. A.	<i>Tokio.</i>
FENOLLOSA, PROF. E. F.	"
FUJIOKA, PROF. J.	"
FUJITANI, T.	"
FUKUOKA, H. E. T., MINISTER OF EDUCATION	"
FURUICHI, K.	"
FUTAMI, K.	"
GORDON, T. W., M. D.	<i>Georgetown, Ohio, U. S. A.</i>
GOTO, M.	<i>Tokio.</i>
GOTTSCHÉ, PROF. C.	"
GOWLAND, W.	<i>Osaka.</i>
GRAY, PROF. THOMAS.	<i>Glasgow.</i>
HAMAO, A.	<i>Tokio.</i>
HARKNESS, PROF. WM., U.S.N.	<i>Washington, U. S. A.</i>
HATTORI, I.	<i>Tokio.</i>
HAWES, LIEUT. A. G. S., R. M.	"
HEGT, M. J. B. N.	<i>Yokohama.</i>
HOLTHAM, E. G., C. E.	<i>London.</i>
IRWIN, R. W.	<i>Tokio.</i>
ISAWA, S.	"
IWASA, PROF. I.	"
JAMES, LIEUT. J. M.	<i>Shinagawa.</i>
JUDD, PROF. J. W., F.R.S.	<i>School of Mines, London.</i>
KANDA, N.	<i>Tokio.</i>
KATAYAMA, T.	"
KATO, H., PRESIDENT OF TOKIO UNIVERSITY	"
KIKUCHI, PROF. D.	"
KNIPPING, E.	"
KOCHIBE, T.	"
KORSCHÉLT, O.	"
KOZIMA, PROF. N.	"
KUDO, S.	<i>Sapporo.</i>
KUKI, R., VICE-MINISTER OF EDUCATION	<i>Tokio.</i>

KUWABARA, M.	<i>Bessi Copper Mine, Shikoku.</i>
LARRIERU, D.	<i>Tokio.</i>
LYMAN, B. S.	<i>Northampton, Mass., U. S. A.</i>
McCARTHY, J. W.	<i>London.</i>
MARTIN-LANCIAREZ, E., H. ITALIAN M. CHARGÉ D'AFFAIRES	<i>Tokio.</i>
MAYET, P.	"
MENDENHALL, PROF. T. C.	<i>Columbus, Ohio, U. S. A.</i>
MILNE, PROF. JOHN	<i>Tokio.</i>
MIYAKE, PROF. H.	"
MORI, J.	"
NAKAMURA, K.	"
NAKASHIMA, N.	"
NAMURA, T.	<i>Chiugakko, Miyagi Ken.</i>
NAUMANN, DR. E.	<i>Tokio.</i>
NETTO, PROF. C.	"
NISHI, M.	"
OMORI, S.	"
OSBORNE, A. O.	<i>Waterville, N. Y., U. S. A.</i>
PALMER, LT.-COL. H. S., R. E.	<i>London.</i>
PARKES, H. E. SIR HARRY S., K. C. B., K. C. M. G. H. B. M. MINISTER	<i>Tokio.</i>
PATON, GEORGE	"
PAUL, PROF. H. M.	"
PRYER, H.	<i>Yokohama.</i>
RENNIE, SIR R. T., CHIEF JUSTICE OF H. B. M. SUPREME COURT FOR CHINA AND JAPAN	
RINGER, F.	<i>Nagasaki.</i>
RODWELL, PROF. G. F.	<i>Wiltshire, England.</i>
RORETZ, A. VON, M. D.	<i>Yamagata.</i>
RUDLER, W. F.	<i>School of Mines, London.</i>
SATOW, E. M., 2 ND SEC. AND JAPANESE SEC. OF H. B. M. LEGATION	<i>Tokio.</i>
SEKIYA, K.	"
SHINAGAWA, Y., VICE-MINISTER OF AGRICULTURE AND COMMERCE	"
SNOW, H. J.	<i>Yokohama.</i>
SUGI, K.	<i>Tokio.</i>
TALBOT, W. H., EDITOR OF THE "JAPAN GAZETTE"	<i>Yokohama.</i>
TAPPAN, PROF. E. T.	<i>Gambier, Ohio, U. S. A.</i>
TODA, W.	<i>Tokio.</i>
TOMITA, T.	"

TUTTLE, PROF. A. H.	<i>Columbus, Ohio, U. S. A.</i>
URIU, T.	<i>Handa Silver Mines, Fukushima Ken.</i>
VAN BUREN, GEN. T. B., U. S. CONSUL GENERAL	<i>Yokohama.</i>
VAN DER POT, H.E. J. J., H. NETHERLANDS M. MINISTER RESIDENT	”
WADA, T.	<i>Tokio.</i>
WADA, Y.	”
WAGENER, DR. G.	”
WEST C. D. PROF.	”
WOLFF, A., SWISS CONSUL-GENERAL	<i>Yokohama.</i>
YAMADA GEN. G. MINISTER OF THE INTERIOR	<i>Tokio.</i>
YAMAGAWA, PROF. K.	”
YAMASHITA, D.	”
YATABE, M.	”
ZEDTWITZ, BARON F. VON, H.G.M. CHARGÉ D'AFFAIRES.....	”

Total, { Honorary Member, 1.
 Corporation „, 1.
 Ordinary Members, 111.