

PROCEEDINGS OF THE TWELFTH ANNUAL MEETING

HELD IN NANKING IN THE LECTURE HALL OF THE NATIONAL
GEOLOGICAL SURVEY OF CHINA (JANUARY 26-29 1936)

Morning Session, Sunday, January 26.

Professor C. Y. Hsieh, in the chair.

(Owing to the prolonged illness of the President, Prof. L. F. Yin, the Society's Council decided to elect a board of chairmen each of whom was to preside at a particular meeting. The chairmen elected were Prof. C. Y. Hsieh, Mr. Y. Y. Lee, Dr. C. C. Young and Dr. Chang Hsihchih).

Opening the first meeting at 9:30, the chairman remarked that he was exceedingly glad to notice the presence of more than 70 members some of whom came from far distant provinces. This was all the more remarkable at a time when the general situation in China is so discouraging. Then he opened the memorial service for Dr. V. K. Ting who died on January 5th at Changsha as the result of an unfortunate accident occurred during his geological excursion in southern Hunan. He pointed out that Dr. Ting was not only the founder of the Society but also one of the founders of the Geological Survey and that his death is therefore deeply regreted by all geologists in China. As a sign of homage to Dr. Ting, the audience was called to stand up for a three minutes' silence. The chairman then called Dr. W. H. Wong to speak on Dr. Ting's contribution to the Society (See obituary note p 17).

The chairman called Dr. T. K. Huang to speak on Dr. Ting's contribution to Chinese geology. Dr. Huang first briefly described Dr. Ting's expeditions in southwestern China and his numerous excursions in North and South China. He enumerated the important papers so far published by Dr. Ting, remarking sweepingly the character and significance of each contribution. Dr. Ting's work on Chinese stratigraphy, especially on the Silurian, Devonian, Carboniferous, Permian and Cenozoic systems, was emphasized.

As all of us know, Dr. Ting's field work was very extensive but his writing is comparatively scanty. It is therefore of great pleasure for us to hear

that the Geological Survey has appointed Dr. T. H. Ying and Dr. T. K. Huang to take charge of Dr. Ting's copious field notes and manuscripts for the preparation of a memorial volume which will soon appear in the Survey's publications.

Report of the Secretary

The Society's new members:

Ordinary members 25 (of whom 9 were associate members whose promotion was passed by the Council).

Life members 18.

Associate members 16.

Deceased members:

V. K. Ting (Nanking)—Carter and Life member

H. F. Osborn (New York)—Honorary member

B. Koto (Tokyo)—Corresponding member

D. White (Washington)—Corresponding member

T. K. Tsai (Peiping)

C. C. Young

Secretary

Report of the Treasurer

The treasurer begs to submit the following report of the finances of the Geological Society of China for the period from February 1st, 1935 to January 15, 1936.

Receipts (Feb. 1st, 1935-Jan. 15, 1936)

1. Balance credit on January 31, 1935	...	...	...	...	\$150.92
2. Valueless bonds & bank notes	...	...	...	...	55.00
3. Membership dues (92 members & 26 associates)	...	...	...	...	512.00
4. Institution membership dues					
(A) National Geol. Survey of China (1935)	...	...	...	...	600.00
(B) National Research Institute of Geology, Academia Sinica (Jan-Dec. 1935)	...	...	...	...	360.00
(C) Tsinghua University (1935)	...	...	...	...	200.00

(D)	National University of Peking (1934)	\$ 400.00
5	Bulletin sales	818.12
6.	Interest	6.09
	Total	<u>\$3,102.13</u>

Expenditures (Feb. 1st, 1935-Jan. 15, 1936)

1.	Printing bulletin Vol. 13, No. 4 & Vol. 14, Nos. 1-3 (Vol. 13, No. 4 & Vol. 14, No. 3 paid partly)	\$1,784.98
2.	Postage (mainly for mailing bulletin & reprints)	622.71
3.	Binding bulletin	11.00
4.	Fire insurance for books & maps (1935) donated by Prof. A. W. Grabau	100.00
5.	Expenses for 11th Annual Meeting	51.65
6.	Expenses for cards & envelops	77.50
7.	Administration	100.36
	Total	<u>\$2,748.20</u>
	Total Expenditure	\$2,748.20
	Balance Credit	353.93
		<u>\$3,102.13</u>
	Cash on hand Jan. 15, 1936	\$ 298.93
	Valueless bonds & bank notes	55.00
		<u>\$ 353.93</u>

S. C. Chien
Assistant Treasurer

Report on the Endowment Funds of the Geological Society of China

- A. The permanent fund. (Including the fund for the library equipment, the Grabau medal fund & the life membership dues).

Balance in December 1934	\$8,616.00
Life membership dues (18 members for 1935)	900.00
Interest in Jan. 10th, 1936	786.00
(Fixed deposit \$10,100.00 & current deposit \$202.00)	<u>\$10,302.00</u>

B. 南京會所建築捐款

I. 收入 (捐款收入至二十五年一月十七日爲止)

1.	汪卜桑先生捐	...	...	...	...	...	...	\$ 2,000.00
2.	楊晤山先生捐	...	...	...	...	...	...	2,000.00
3.	竹堇生先生捐	...	...	...	...	...	...	1,000.00
4.	陳永清先生捐	...	...	...	...	...	...	1,000.00
5.	葉葵初先生捐	...	...	...	...	...	...	1,500.00
6.	丁文江, 翁文灝, 曾世英先生捐	...	...	...	...	...	...	2,500.00
7.	交通部捐	...	...	...	...	...	...	1,000.00
8.	中興煤礦公司捐	...	...	...	...	...	...	3,000.00
9.	劉季辰先生捐	...	...	...	...	...	...	1,000.00
10.	國防設計委員會(資源委員會)捐	...	...	...	...	...	...	1,700.00
11.	上海寶豐保險公司捐	...	...	...	...	...	...	200.00
12.	棉業統制委員會捐	...	...	...	...	...	...	200.00
13.	中國旅行社捐	...	...	...	...	...	...	300.00
14.	上海銀行捐	...	...	...	...	...	...	500.00
15.	陳光甫先生捐	...	...	...	...	...	...	300.00
16.	李學清先生捐	...	...	...	...	...	...	500.00
17.	劉鴻生先生捐	...	...	...	...	...	...	1,500.00
18.	趙汝鈞先生捐	...	...	...	...	...	...	500.00
19.	開灤煤礦公司捐	...	...	...	...	...	...	3,000.00
20.	孫科先生捐	...	...	...	...	...	...	1,000.00
21.	啓新洋灰公司捐	...	...	...	...	...	...	2,000.00
22.	二十三年銀行利息	...	...	...	...	...	...	1,229.00
23.	中央大學捐	...	...	...	...	...	...	1,000.00
24.	朱庭祜先生捐	...	...	...	...	...	...	500.00
25.	范旭東先生捐募	...	...	...	...	...	...	1,000.00
26.	實業部地質調查所捐	1,000.00
27.	鄭厚懷先生捐	500.00
28.	鐵道部捐	1,000.00
29.	沈棉亭先生捐	500.00
30.	李宗仁先生捐	3,000.00

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31. 盧祖蔭先生捐	\$ 200.00
32. 二十四年銀行利息	945.48
33. 丁文江先生捐	90.00
34. 中福兩公司聯合辦事處捐	500.00
	<u>\$38,164.48</u>

II. 付出 (付款至二十五年一月三十一日爲止)

裕信公司建築費	\$27,091.98
炳輝公司衛生設備暖汽工程	6,832.11
舊有草棚住戶遷移等費	584.00
監工費	40.00
基泰工程司設計費	500.00
韋慶復電器公司工程	1,847.16
自來水裝置費	128.73
電燈接火費	4.00
電熱接火費	6.00
電話裝置費	20.00

押金:	自來水表 \$ 55.00
	電燈表 30.00
	電熱表 100.00
	電話機 40.00

	225.00
鋪草皮	147.00
五金雜件	64.70
由北平匯京匯款匯水	30.00
美藝木器	469.00
	<u>\$ 37,989.68</u>

總收入	\$ 38,164.48
總付出	<u>37,989.68</u>
餘款	\$ 174.80

It is to be added here that the Chao's memorial fellowship of this year (year 1935), amounting to 1,200 dollars, was awarded to Mr. Y. S. Chi (計榮森) of the Geological Survey of China. Mr. Chi is one of China's most

promising young palæontologists; his skill and energy is amply testified by a number of papers and monographs already published by him. His works on the Weiningian corals of China and on the Lower Carboniferous *Syringopora*s are indispensable for researches on Carboniferous stratigraphy. He is now engaged in a comprehensive study of the Devonian coral fauna and will soon publish his results.

The investment and safekeeping of the Chao's memorial fund was entrusted to Mr. Y. S. Chu of the Peiping branch of the National Commercial Bank. The account for the year 1935 as reported by him is here included:

(一) 中國地質學會趙亞曾紀念研究金

民國二十四年一月一日至十二月三十一日止

賬目報告

收入:

二十四年	一月一日	結存現金	\$2219.04
..	一月七日	上海電力公司息	31.47
..	一月七日	編遺庫券本息	68.70
..	一月十五日	美金債息	332.50
..	二月二日	編遺庫券本息	68.50
..	三月二日	編遺庫券本息	68.30
..	四月一日	十四年公債息	15.00
..	四月三日	編遺庫券本息	68.10
..	四月八日	上海電力公司息	31.47
..	五月三日	編遺庫券本息	67.90
..	六月一日	上半年往來存款利息	39.21
..	六月三日	編遺庫券本息	67.70
..	六月五日	上海電力公司息	31.47
..	六月八日	海河公債中籤退還本款	4447.55
..	六月廿九日	十四年公債息	15.00
..	七月三日	編遺庫券本息	67.50
..	七月十六日	美金債息	39.81
..	八月二日	編遺庫券本息	67.30

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支出:

(二) 中國地質學會趙亞曾紀念研究金投資表

(二十四年十二月三十一日結)

十八年編造庫券票面	壹萬圓
二十年統稅庫券票面	壹萬圓
美金公債 1925 年 5% 票面	捌百伍十圓
上海電力公司六釐優先股票	...	...	...	...	...	...	...	拾伍股
浙江興業銀行定期存款	...	...	...	...	...	...	...	壹仟圓
四銀行儲蓄存款	...	...	...	...	...	...	...	叁仟圓

Report of the Board of Editors

The Bulletin of the Geological Society continued to grow in size and in quality. It is a pleasure to note that members in the whole country recognize it as a publication representing all the institutions related with the geological work, and on that ground papers have been received from many different organizations. Such contribution is indeed sincerely welcome and we hope that it will be continued and even further increased in the future.

Dr. T. H. Yin could not help in the editorial as he was busily engaged in his field work in Yunnan province during the past year. The whole work was taken care of by Mr. T. H. Chow whose service to the Society in the long years past is indeed remarkably important and should be fully recognized by members of the Society.

W. H. Wong

Afternoon Session

Professor C. Y. Hsieh, in the chair.

The chairman opened the meeting at 2 p. m. The following communications were read:

1. The Lead-Zinc Deposits of Central Hunan. By C. Y. Hsieh.
2. On the Gemstones of Tushan, Nanyang, Honan. By H. T. Lee.
3. Igneous Rocks of the Hainan Island. By H. T. Lee.
4. Observations on the Taishan Complex. By K. L. Feng and C. Wang.
5. Notes on the Basalt-covered Gold Placer of Tangshan, Chishia, Shantung. By K. L. Feng.

The following paper was read by title:

6. The Rhodonite veins of Hsihutsun, Changping District, Hopei Province. By C. C. Wang. (The full paper is published in this bulletin.)

Morning Visits, Monday, January 27.

At 9 a. m. members of the Society gathered at the Society's new building, No. 21, Omeilu. Thanks to the untiring efforts of the late Dr. V. K. Ting, funds were quickly raised and a two-storyed building was erected

in a quiet corner of the city, north of the picturesque Peichikuo hill. The edifice possesses a spacious lecture hall and a library, which evidently gave great satisfaction to all visitors present.

After the inspection of the Society's building, the congregation went to the Geological Institute of the Academia Sinica at Peichikuo. They were cordially received by members of the latter institution who showed them their laboratories, exhibition hall and library.

The congregation then paid a visit to the Geological Department of the National Central University, where they were shown the laboratories, exhibitions and class-rooms.

Afternoon Session

Mr. Y. Y. Lee, in the chair.

The chairman opened the meeting at 2 p. m. The following communications were submitted:

1. Discussion on the revised classification of the Palaeozoic Systems in the light of the Pulsation Theory. Led by A. W. Grabau. Owing to the absence of Prof. Grabau, Mr. Y. S. Chi, acting on behalf of him, outlined the essential points of the pulsation theory and the need of a new nomenclature for the Palaeozoic Systems in the light of that theory. The subject was enthusiastically discussed by Dr. W. H. Wong, Prof. C. Y. Hsieh, Dr. Hans Becker, Dr. T. K. Huang and others.

2. The Sinian Glaciation in the Lower Yangtze Valley. By Y. Y. Lee.

3. The Tremadocian in South Anhui. By Singwu C. Hsu.

4. Note sur la géologie du Woutaichan (Chansi). By Yang-Kieh.

5. Quelques problèmes sur la géologie du Hsichan (Peiping). 1. Discordance de la série du Kiulungchan sur les calcaires cambro-ordoviciens au Chengtzechan. 2. Volcanisme antérieur de la série du Kiulungchan et postérieur de la série du Hungmiaoling. By Yang-Kieh.

6. Deposits of Possible Loessial Origin in Western and Northwestern Szechuan. By James Thorp.

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The following papers were read by title:

7. On the Sinian Geosynclines. By C. C. Chao.
8. On the Stratigraphy of Upper Huangho and Nanshan Regions. By C. C. Sun.

At 7:30 p. m. Mr. James Thorp, soil specialist of the Geological Survey, showed to a gathering of members and guests some interesting motion pictures taken by him in his journeys in various parts of China.

Morning Session, Tuesday, January 28.

Dr. C. C. Young, in the chair.

The chairman opened the meeting at 9 a.m. The following communications were read:

1. Soils of Western and Southwestern China. By James Thorp.
2. Theoretical Reflections on the Geomorphology of China from the Viewpoint of Glacio-Eustatism. By J. Hanson-Lowe.
3. Chasmatosaurus from Sinkiang. By C. C. Young.
4. Notes on the Fangshan "Volcano". By Y. Y. Lee and T. Y. Yu.
5. Cenozoic Geology of Lingchu, Shantung. By C. C. Young.
6. Cenozoic Geology of Kaolan-Yungteng Area of Central Kansu. By C. C. Young and M. N. Bien.
7. Sinian Stratigraphy of the Yangtze Valley. By T. Y. Yu.

The following papers were read by title:

8. Ueber einen baumförmigen Lepidophyton-Rest in der Tiaomachien Serie in Hunan. By H. C. Sze.
9. On the Turtle Remains of Anyang. By M. N. Bien.
10. On the Preservation of Coloration in Certain Fossil-Invertebrata and its Geologic Significance. By S. Nomura and K. Hatai.

Afternoon Session

Dr. Chang Hsihchih, in the chair.

The chairman opened the meeting at 2 p. m. The following communications were read:

1. Discussion on the Mesozoic Stratigraphy of China. Led by Dr. Chang Hsihchih. Dr. Chang gave a brief summary of Mesozoic formations in China and made an attempt to correlate them. The subject was discussed by Dr. C. C. Young, Prof. C. Y. Hsieh and Prof. P. L. Yuan.
2. Mesozoic Stratigraphy of Sinkiang, with Latest Determination of Fossils. By P. L. Yuan.
3. Mesozoic Red Beds of Yunnan Province. By T. H. Yin and C. H. Lu.

Morning visit to the Geological Survey, Wednesday, January 29.

Early in the morning members of the Society gathered at the Geological Museum of the Geological Survey at Shuitsintai, Chukiang Road. They were cordially received by the staff of the Survey and made visits to the museum, the library and the laboratories.

Afternoon Session in the lecture-hall of the National Central University

Dr. C. C. Young, in the chair.

The chairman opened the meeting at 2 p. m. The following communications were read:

1. Discussion on the Late Mesozoic and Early Tertiary orogenesis, vulkanism and their relation to the formation of Metallic Deposits in China. Led by C. Y. Hsieh. In this discussion Prof. Hsieh summarized the principal Mesozoic-Tertiary or Yenshanian orogenic movements in China and subdivided them into 5 phases. 4 major periods of igneous activity with extensive granitic intrusion and outpouring of lavas accompany these movements and are supposed to be responsible for the wide-spread mineralization of South China. Prof. Hsieh further distinguished metallogenetic periods and metallogenetic provinces. The subject was discussed by Mr. H. J. Chu, Prof.

K. L. Feng, Mr. T. Y. Yu, Prof. P. L. Yuan, Dr. Chang Hsihchih, Mr. T. O. Chu and Dr. T. K. Huang.

2. Mineralization at Huangtsetung, Kiangninghsien, Kiangsu. By H. H. Cheng and C. Y. Yuan.

3. Paragenesis of the Iron Deposits at Tayeh, Hupeh. By H. H. Cheng and K. C. Tang.

4. Genesis of the Iron Ore at Hsishan and Leishan, O Cheng, Hupeh. By H. H. Cheng and K. C. Tang.

After the formal meeting the Geological Department of the Central University kindly served the members of the Society with tea and refreshments.

Geological Excursions, Thursday, January 30.

The Society conducted two successful excursions in the environs of Nanking:

1. Excursion to the iron ores of Fenghuangshan and Niushoushan with 19 excursionists guided by Prof. C. Y. Hsieh. & Mr. C. H. Yuan.

2. Excursion to Tangshan and Chungshan with 23 excursionists guided by Mr. C. Li and Mr. T. Y. Yu.

Minutes of the Council Meeting January 27, 1936

The newly elected members of the Council are:

W. H. Wong (re-elected)

C. C. Young (re-elected)

T. K. Huang (newly elected to succeed the deceased Dr. V. K. Ting)

Member list of the Council for 1935-1936:

C. C. Young, President for 1935-1936, term expires in 1938.

T. K. Huang, Secretary for 1935-1936, term expires in 1938.

K. L. Feng, Treasurer for 1935-1936, term expires in 1937.

W. H. Wong, Chief editor for 1935-1936, term expires in 1938.

Chang Hsihchih, term expires in 1937.

L. F. Yih, term expires in 1938.

J. S. Lee, term expires in 1936.

C. Y. Hsieh, term expires in 1937.

A. W. Grabau, term expires in 1936.

(1) The Council passed the regulations governing Dr. Ting's Memorial Fund.

(2) The Council elected a committee in charge of Dr. Ting's Memorial Fund. The members of the committee are Mr. Chu Yao Shen (竹堇生), Mr. Sotsu King (金叔初), Dr. W. H. Wong (翁文灏), Dr. J. S. Lee (李四光), and Prof. C. Y. Hsieh (謝家榮).

(3) The Council elected Dr. T. K. Huang to succeed Dr. V. K. Ting on the Society's Permanent Fund Committee.

(4) The following new officers were elected for the board of editors: W. H. Wong (chief editor), C. Y. Hsieh, T. H. Yin, P. L. Yuan, C. H. Kao (assistant), C. K. Chao (assistant).

(5) The Council passed a resolution, granting the right to the Society's members in Peiping to form a branch society.

(6) Prof. C. Y. Hsieh proposed a Chinese publication for the Society, to be called "Ti Chih Luen Ping" (地質論評) and to appear every two months. This proposal was unanimously passed and the following board of editors was elected:

Chief editor for Ti Chih Luen Ping: C. Y. Hsieh

Editor for dynamic geology: H. C. Chang

“ “ stratigraphy: C. C. Tien

“ “ structural geology: J. S. Lee

“ “ petrology and mineralogy: H. T. Lee and K. L. Feng.

“ “ vertebrate palæontology: C. C. Young.

“ “ invertebrate palæontology: T. H. Yin

“ “ palæobotany: H. C. Sze.

“ “ economic geology: H. M. Meng

“ “ physiography: P. L. Yuan

(7) The work for the bibliography of Chinese geology, began by Mr. T. Y. Yang, is to be continued by Mr. Y. S. Chi.

(8) Messrs. S. C. Chien and Y. C. Chi are re-elected assistant treasurer and assistant secretary respectively.

Principles Governing the Memorial Fund for Dr. V. K. Ting

1. A permanent fund will be constituted through the donations from friends of the late Dr. V. K. Ting. This fund shall be administered by a special committee of 5 to 7 members to be elected by the Council of the Geological Society. Any vacancy among the members of the committee shall be filled in by a new member to be proposed by the members remaining in office and approved by the Council.

2. Only the interest of the fund can be used. An amount up to \$1000 a year is to be presented to Mrs. V. K. Ting.

3. Besides the amount presented to Mrs. V. K. Ting the remaining part of the interest shall be used as a geological fellowship to be awarded yearly to one Chinese geologist who has made important contribution. The detailed regulations for the award will be made by the Council.

丁在君先生紀念基金原則

- 一、本基金由丁先生至好友人捐助於中國地質學會由該會理事會推舉五人至七人組織保管委員會保管之委員如出缺時由其餘委員推舉請理事會核定
- 二、本基金應長久保存但所得利息至多以每年一千元為限盡備丁在君夫人之用
- 三、除第二條規定之用途外所有利息作為紀念獎金對於地質工作有特別貢獻者每年發給一次其詳細辦法由理事會另訂之

The Society's Permanent Fund

It is a pleasure to announce the establishment of the Society's permanent fund, consisting of a generous donation from the Chekiang Law College of

Hangchow. Through the efforts of Dr. V. K. Ting and Dr. W. H. Wong, representing the Society, and of Mr. Chen Shu-tung, representing the College, the amount of \$64,961.75 plus a bond of \$1,000.00 was transferred to the Society and is deposited in the National Commercial Bank at Shanghai through Mr. Y. S. Chu. A committee, named the Society's Permanent Fund Committee, was elected by the Council for the safekeeping of the fund. The members elected were Messrs. V. K. Ting, (丁文江), W. H. Wong (翁文灝), S. L. Hsu (徐新六), T. S. Chang (張篤生) and Y. S. Chu (竺養生). After the death of Dr. Ting the Council elected Dr. T. K. Huang (黃汲清) to succeed him on the Committee.

中國地質學會台鑒敬啓者浙江私立法政學校自停辦後設有財產管理委員會截至二十四年十一月二十三日止計存浙江興業銀行定期存款陸萬肆千捌百元活儲存款壹百肆拾捌元貳角肆分共計國幣陸萬肆千玖百肆拾捌元貳角肆分又二十年統稅庫券原票面壹千元本息伍肆號起繳會同人共同商議夙仰貴會爲專家學術團體不受任何干涉成績昭著議決前載款項捐作

貴會基金所附條件(一)用息不用本(二)調查土壤(農田森林地)及礦產儘先浙江全省次鄰省次他省(三)就學會會所勒石紀念(四)土壤礦產調查之各種刊物用適當之方法表示捐款並用文字敘明之合併聲明並請派員接收款項統析示復爲荷卽頌

公綏

浙江私立法政學校財產管理委員會代表陳叔通啓

二十四年十一月二十七日

抄錄浙江興業銀行上海總行信託部保管戶清單

帳號 4116 戶名：中國地質學會基金保管委員會 中華民國 24 年 11 月 30 日

年 月 日	摘 要	收 數	付 數
24-11-30	本行定期存單 \$4530	\$4,000.00	
"	" " 4531	1,000.00	
"	" " 4532	5,000.00	
"	" " 4533	2,000.00	
"	" " 4534	6,000.00	
"	本行信託存摺 141	5,400.00	
"	" " 142	1,000.00	
"	" " 143	26,500.00	
"	" " 144	7,500.00	
"	" " 145	3,400.00	
"	" " 146	3,000.00	
"	本行活期儲蓄存摺一扣	161.75	(作一件計算)
	以上存單摺結存總數		<u>\$ 64,961.75</u>

24-11-30 二十年統稅庫券本息票 55 號起 1,000.00

地質學會基金委員會委員

丁文江 翁文灝 徐新六 張篤生 竹垚生

因丁先生病故經理事會推定黃汲清君繼任。