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 1936 Kenneth K. Landes, E. P. Henderson, J. F. Schairer, Arthur F. Buddington.
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- | | |
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| 1921 Amherst, Massachusetts | 1930 Toronto, Canada |
| 1922 Ann Arbor, Michigan | 1931 Tulsa, Oklahoma |
| 1923 Washington, D.C. | 1932 Cambridge, Massachusetts |
| 1924 Ithaca, New York | 1933 Chicago, Illinois |
| 1925 New Haven, Connecticut | 1934 Rochester, New York |
| 1926 Madison, Wisconsin | 1935 New York, N.Y. |
| 1927 Cleveland, Ohio | 1936 Cincinnati, Ohio |
| 1928 New York, N.Y. | 1937 Washington, D.C. |
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 Vanadium Corporation of America Library, Bridgeville, Pennsylvania.
 Bryn Mawr College Library, Bryn Mawr, Pennsylvania.
 Lafayette College Library, Easton, Pennsylvania.
 Harbison-Walker Refractories Company, Hays Laboratory, Box 443, Homestead, Penn-
 sylvania.
 Academy of Natural Sciences Library, Logan Circle, Philadelphia, Pennsylvania.
 Foote Mineral Company, 1609 Summer Street, Philadelphia, Pennsylvania.
 Philadelphia Mineralogical Society, Academy of Natural Sciences, Logan Circle, Phila-
 delphia, Pennsylvania.
 University of Pennsylvania Library, Philadelphia, Pennsylvania.
 Carnegie Library of Pittsburgh, Periodical Division, Schenley Park, Pittsburgh, Penn-
 sylvania.
 University of Pittsburgh Library, 310 State Hall, University of Pittsburgh, Pittsburgh,
 Pennsylvania.
 Science Library, College of Engineering, Carnegie Institute of Technology, Schenley Park,
 Pittsburgh, Pennsylvania.
 School of Mineral Industries, Pennsylvania State College, State College, Pennsylvania.

RHODE ISLAND

Rhode Island State College Library, Davis Hall, Kingston, Rhode Island.
 Brown University Library, Providence, Rhode Island.

SOUTH DAKOTA

South Dakota State School of Mines Library, Rapid City, South Dakota.
 University of South Dakota Library, Vermillion, South Dakota.

TENNESSEE

Vanderbilt University, Department of Geology, Nashville, Tennessee.

TEXAS

North Texas Agricultural College Library, Arlington, Texas.
 Library, University of Texas, Serials Acquisition, Austin, Texas.
 Agricultural and Mechanical College of Texas Library, College Station, Texas.
 Southern Methodist University, Library Department, Dallas, Texas.
 Texas College of Mines and Metallurgy Library, El Paso, Texas.
 Texas Technological College, Lubbock, Texas.

UTAH

Geology Department, University of Utah, Salt Lake City, Utah.
 U. S. Bureau of Mines, University of Utah, Salt Lake City, Utah.

VIRGINIA

University of Virginia Library, Charlottesville, Virginia.

WASHINGTON

Washington State College Library, W. W. Foote, Librarian, Pullman, Washington.
 University of Washington Library, Seattle, Washington.

WEST VIRGINIA

University of West Virginia Library, Morgantown, West Virginia.

WISCONSIN

Beloit College Library, Beloit, Wisconsin.
 University of Wisconsin Library, Madison, Wisconsin.

WYOMING

Monolith Portland Midwest Company, Laramie, Wyoming.

U. S. POSSESSIONS

Library, University of Hawaii, Honolulu, Hawaii.
 The Chief, Scientific Library Division, P.O. Box 774, Manila, Philippine Islands.

AFRICA

The Librarian, Rhodes University College, Grahamstown, South Africa.
 Johannesburg Public Library, Johannesburg, South Africa.
 The Librarian, University of the Witwatersrand, P.O. Box 1176, Johannesburg, South Africa.
 Librarian, University of Pretoria, Pretoria, South Africa.
 The Librarian, Geological Survey Division, Department of Mines, Pretoria, South Africa.
 The Director, Geological Survey, Salisbury, Southern Rhodesia, Africa.
 University Library, Stellenbosch, South Africa.

ARGENTINA

Libreria Hachette, S. A., Calle Maipu 49, Buenos Aires, Argentina.
 Sociedad Cientifica Argentina, Santa Fe 1145, Buenos Aires, Argentina.

AUSTRALIA

The Librarian, University, Perth, Western Australia.
 Australian Museum, Sydney, New South Wales, Australia.
 Fisher Library, University of Sydney, Sydney, New South Wales, Australia.
 Central Library, University of Melbourne, Carlton N 3, Victoria, Australia.

BELGIUM

Alumni Club, Fondation Universitaire, 11 Rue d'Egmont, Brussels, Belgium.
 Librairie Falk Fils, 22 Rue des Paroissiens, Brussels, Belgium.
 W. H. Smith and Son, 71-75 Boulevard Adolphe Max, Brussels, Belgium.
 M. le Secretaire General, Revue de Geologie, Laboratoire de Geologie, Universite de Liege, Liege, Belgium.

BRAZIL

Bibliotheca do Departamento Nacional da Producao Mineral, Praia Vermelha, Rio de Janeiro, Brazil.
 Faculdade de Filosofia Ciencias e Letras, Cadeira de Mineralogia, Alameda Glette 463, São Paulo, Brazil.

BRITISH GUIANA

Commissioner of Lands and Mines, Georgetown, British Guiana.

CANADA

Library, University of British Columbia, Point Grey, British Columbia, Canada.
 Science Library, University of Manitoba, Fort Garry Site, Winnipeg, Manitoba, Canada.
 International Nickel Company of Canada, Ltd., Attention, Director of Research, Copper Cliff, Ontario, Canada.
 Queen's University Library, The Douglas Library, Kingston, Ontario, Canada.
 Geological Survey Library, Department of Mines and Resources, Victoria Memorial Museum, Ottawa, Ontario, Canada.
 Library, University of Toronto, Toronto, Ontario, Canada.
 Royal Ontario Museum of Mineralogy, 100 Queen's Park, Toronto 5, Ontario, Canada.
 Ecole Polytechnique, 1430 Rue St. Denis, Montreal, Quebec, Canada.
 Library, McGill University, 3459 McTavish Street, Montreal, Quebec, Canada.
 Ministere Mines and Pecherics, Chambre 716 Edifice "E", Hotel du Gouvernement, Quebec, Canada.

CHINA

National Geological Survey of China, Pehpei, Chungking, Szechuan, China.
 Tsiaotso Engineering College Library, Tsiaotso, Honan, China.
 The Library, Institute of Geology, 23, Lakeside Road, Kweilin, Kwangsi, China.
 National Library of Peiping, Kunming, Yunnan, China. (via Haiphong)
 Tsing Hua University Library, Kunming, Yunnan, China.
 The Library No. 355, National Central University, Nanking, China.
 Shanghai Science Institute, Central Library, 320 Route Ghizi, Frenchtown, Shanghai, China.

COLOMBIA

Departamento Nacional de Provisiones Importacion No. 6251, Apartado No. 2532, Bogota, Colombia.

CZECHOSLOVAKIA

Mineralogical Institute, Charles University, Albertov 6, Prague, Czechoslovakia.

DENMARK

Brummerstedt, E., Guldsmedgade Nr. 3, Aarhus, Denmark.

Reitzel, C. A., Norregade 20, Copenhagen K. Denmark.

FINLAND

Rautatiekirjakauppa O/Y (Peacock), Köydenpunojankatu 2, Helsinki, Finland.

FRANCE

Bibliothèque de l'École Nationale, Supérieure des Mines, 60 Boulevard St. Michel, Paris, France.

International Annual Tables, Dr. N. Thon, Institute de Chemie, 18 Rue Pierre Curie, Paris 5, France.

Laboratoire de Mineralogie, Université de Strasbourg, 1 Rue Blessig, Strasbourg, France.

GERMANY

J. A. Mayerische, Buchhandlung, Büchel 43, Aix-la-Chapelle, Germany.

Bibliothek der Technischen Hochschule, Charlottenburg, Berlin, Germany.

Bücherei d. Reichszentrale für Wissenschaftliche Berichterstattung, Unter den Linden 38, Berlin, N. W. 7, Germany.

Deutsche Chemische Gesellschaft, Sigismundstrasse 4, Berlin W 35, Germany.

Hirschwaldsche Buchhandlung, Unter den Linden 68, Berlin N.W. 7, Germany.

Institute für Mineralogie and Petrographie, Technische Hochschule, Charlottenburg, Berlin, Germany.

Preussische Staats-Bibliothek, Unter den Linden 38, Berlin N.W. 7, Germany.

Mineralogisches Institut der Universität, Bonn a Rhein, Germany.

Mineralogisches Institut der Universität, Schuhbrücke 38-39, Breslau I, Germany.

Bibliothek der Technischen Hochschule, Bismarckplatz 18, I, Dresden A, Germany.

Bücherei Bergakademie, Freiberg, Saxony, Germany.

Ludwig Hantzschel and Company, Göttingen, Germany.

Mineralogisches Institut der Universität Bibliothek, Göttingen, Germany.

Mineralogisch-Geologisches Institut d. Technische Hochschule, Welfengarten 1, Hannover 1 W., Germany.

Mineralogisch-Petrographisches Institut der Universität, Heidelberg, Germany,

Zeitungen für Postmat, Idar-Oberstein, Germany.

Frommansche Buchhandlung (Walter Biedermann), Jena, Germany.

Universitäts Bibliothek, Kiel, Germany.

Mineralogische-Petrographisches Institut der Universität, Steindamm 6, Koenigsberg, Germany.

Hiersemann, Karl W., Königstrasse 29, Leipzig, Germany.

Koehlers Antiquarium, K. F., Taubchenweg 21, Leipzig, Germany.

Library, Mineralogisches Institut, Talstrasse 38, Leipzig, Germany.

Max Weg, (Buchhandlung) Inselstrasse 20, Leipzig C 1, Germany.

I. G. Farbenindustrie A.-G., Druckschriftenzentrale, Ludwigshafen/Rhein, Germany.

Bayerische Staats Bibliothek, Ludwigstrasse 23, Munich, Germany.

Mineralogische Staatsammlung, Neuhauerstrasse 51, Munich 2 M, Germany.

Mineralogisch petrographisches Institut, Agidistr. 63, Münster, Germany.

- Mineralogisch-Geologisches Institut der Universität, Wismarschestr. 8, Rostock, Germany.
- Mineralogisch-Petrographisches Institut Universität Tübingen, Tübingen, Württemberg, Germany.
- Administrationkanzlei des Naturhistorischen Museums, Vienna I, Austria, Germany.
- Petrographical Institute, University of Vienna, Vienna, Austria, Germany.

GREAT BRITAIN

- Cambridge University Library, Cambridge, England.
- Department of Mineralogy and Petrology, University of Cambridge, Cambridge, England.
- Young, Henry and Sons, Ltd., 12 South Castle Street, Liverpool, England.
- Bailey Brothers, Ltd., 32 Ludgate Hill, London E. C. 4, England.
- Geological Society Library, Burlington House, Piccadilly, London, W. 1, England.
- Geological Survey and Museum Library, Exhibition Road, London S. W. 7, England.
- Imperial College of Science and Technology (The Clerk for Supplies), South Kensington, London S. W. 7, England.
- Library Accessions Department, Science Museum, South Kensington, London S. W. 7, England.
- Steven, B. F., and Brown, 28-30 Little Russell Street, London W. C. 1, England.
- University of Manchester Library, Manchester, England.
- Steedman, R. D., 17 Saville Row, Newcastle-on-Tyne, England.
- Radcliffe Library, Oxford University, Oxford, England.
- The Librarian, University Library, Reading, England.
- Applied Science Library, St. George's Square, Sheffield 1, England.
- The Secretary, The Ceramic Society, North Staffordshire Technical College, Stoke-on-Trent, England.
- University College of Swansea Library, Singleton Park, Swansea, England.
- Royal Scottish Museum, Edinburgh, Scotland.
- Thin, James, 54 South Bridge Street, Edinburgh, Scotland.

HOLLAND

- Dekker en Nordemann's Wetenschappelijke Boekhandel N.V., O. Z. Voorburgwal 243, Amsterdam L-C, Holland.
- N. V. Boekhandel en Antiquariat, Care of J. L. Beijers, Wed 5, Utrecht, Holland.
- N. V. Martinus Nijhoffs, Lange Voorhout 9, The Hague, Holland.

INDIA

- Karnataka Publishing House, P.O. Basavangudi, Bangalore City, Southern India.
- Secretary, Geological Department, University of Calcutta, Senate House, Calcutta, India.
- Director, Geological Survey of India, 27 Chowringhee Road, Calcutta, India.

ITALY

- Istituto di Mineralogia R. Università, Piazza S. Marco, Florence, Italy.
- Istituto di Mineralogia R. Università, Messina, Italy.
- Museo Civico di Storia Naturale, Giardini Pubblici, Corso Venezia, Milan, Italy.
- Istituto di Mineralogia R. Università di Padova, Padova, Italy.
- Istituto di Mineralogia R. Università di Pisa, Pisa, Italy.
- Libreria Internazionale Minerva, Via Pietro da Cortona 1, Rome, Italy.
- Rosenberg and Sellier, 14 Via Andrea Doria, Turin, Italy.

JAPAN

- Library Akita-Kozan-Senmon-Gakko (Akita Mining College), Akita, Japan.
 Geological Institute, Engineering College, Kyushu Imperial University, Fukuoka, Japan.
 The Ishihara Sangyo Kaiun K. Kaisha, 2-chome, Kaigandori, Kobe, Japan.
 The Tokyo Electric Company, Library, Kawasaki-shi, Kanagawaken, Japan.
 Asano Portland Cement Company, Chuo Kenkyiyo Gijutsubu, Kawasaki-shi, Japan.
 The Hokkaido Kogyo Shikenjo, Kotonimura, near Sapporo, Hokkaido, Japan.
 Chishitsu-Kobutsu, Rigakubu, Hokkaido Teikoku Daigaku, Sapporo, Japan.
 T. D. F. Care of Maruzen Company, Kokubun-Machi, Sendai, Japan.
 Komuka Taiwan, Sotokufu Shokusan Kyoku (Government General of Taiwan) Taihoku, Taiwan, Japan.
 Library, Government Research Institute, Taiwan-Sotokufu-Chuo-Kenkyusho Toshoshitsu, Taihoku, Taiwan, Japan.
 Taihoku Imperial University Library, Taihoku, Taiwan, Japan.
 Geological Institute, College of Science, Tokyo Imperial University, Tokyo, Japan.
 Daiichi Koto Gakko Toshokan (First High School Library), Komaba, Tokyo, Japan.
 Chichitsugaku-Kyoshitsu (College of Agriculture), Tokyo Imperial University, Tokyo, Japan.
 Library of Institute of Physical and Chemical Research, Komagome, Hong-ku, Tokyo, Japan.
 Asahi Garas Shikenjo, 2553 Ushioda-cho, Tsurumi-ku, Yokohama, Japan.

MANCHURIA

- The Chichitsu Chosasho (Geological Institute), South Manchuria Railway Company, Dairen, Manchuria.
 Library of Institute of Scientific Research, Manchuokuo Hsinking, Manchoukuo via Japan.
 Library of Ryojun College of Engineering, Port Arthur, South Manchuria.

MEXICO

- Academia Nacional de Ciencias Antonio Alzate, Apartado 77-98, Mexico City, Mexico.
 Sria. Economia Nacional Depto. Administrativa, Avenue Republica Argentine 12, Mexico City, D. F., Mexico.

NEW ZEALAND

- Librarian, Otago University, Dunedin, New Zealand.

NORWAY

- Bruns, F., (Bokhandel) Trondheim, Norway.
 Geologisk Museums Bibliotek, Trondhjemsveien 23, Oslo, Norway.
 Library, Norge Geologiske Underskelse, Kronprinsens Gate 6, Oslo, Norway.

POLAND

- Gebethner and Wolff, Krakowskie Przedmiescie 15, Filja I w, Warsaw, Poland.
 Institut Geologique de l'Etat, n Ville, Warsaw, Poland.

SWEDEN

- A. B. Gleerupska, Univ. Bokhandeln, Lund, Sweden.
 A. B. Ph. Lindstedts Universitets, Bokhandel Klostergaten 8 a, Lund, Sweden.

Kungl. Veteskapkademiens Bibliotek, Stockholm, Sweden.
 Mineralogical Department, University of Stockholm, Drottninggatan 118, Stockholm,
 Sweden.
 Sveriges Geologiska Undersökning, Stockholm 50, Sweden.
 University of Upsala Library, Upsala, Sweden.

SWITZERLAND

Librairie Centrale et Universitaire, Rue de la Paix, 1, Lausanne, Switzerland.
 Petrograph Institut, Tech Hochschule, Sonneggstrasse 5, Zurich, Switzerland.

U.S.S.R.

Kazakstanskij Filial, Akademii Nauk, Ul. Vinogradova 18, Alma-Ata, U.S.S.R.
 Az. Krasn. Industr. Institut, Im. Azizbekova, Fund, Bib. Ul. Narodov Vostoka 22, Baku,
 U.S.S.R.
 Dnepr. Gosud. Uniwersitet, Dsershinskaja Ul. 2, Dnepropetrovsk, U.S.S.R.
 Nauchn. Biblioteke Gos. Universiteta, Dzerzhinskaja N. 2, Dnepropetrovsk, U.S.S.R.
 Biblioteke Urrainsk, Geologish, Tresta. Ul. Mikhijlichenko 5, Kiev, U.S.S.R.
 Gos. Biblioteke Wseukr. Akad. Nauk Ul. Korolenko No. 58 A, Kiev, U.S.S.R.
 Kol Skaja Baza, Akademii Nauk, Apatitovaja Gora, Murm. Okr. Kirovsk, U.S.S.R.
 Biblioteke Im. M. Gorjkogo Pri Len Gos. Uniwersitete W. O. Uniwersitetskaja Nab
 Leningrad, U.S.S.R.
 Central Geological Library, V O Sredni Prospect 72 B, Leningrad, U.S.S.R.
 Glawnoi Biblioteke L.G.I., W.O. 21 Linija 2, Leningrad, U.S.S.R.
 Institut Ogneuporov, V.O. Tuchkova Naberezhnaja 2, Leningrad 164, U.S.S.R.
 Mekhanobr. Nauchno Tekhn. Biblioteke V.O. 21, Linija D. 8-A, Leningrad 26, U.S.S.R.
 Nauchnaja Bib., Im. M. Gorjkogo Pri Len. Gos. Univ. Vas Ostr. Univ. Nab. 7/9, Lenin-
 grad, U.S.S.R.
 Sojusn. Sljudjanoi Kombinat, Ul. S. Perovskoi, 16, Leningrad, U.S.S.R.
 Biblioteke Instituta Prikladnoj Mineralogii, Pishewskij Per 7, Moscow 17, U.S.S.R.
 Bibliogr. Sektoru Gosud. Nautschn. Biblioteke NKTP, Mal. Bronnaja 4, Moscow 104,
 U.S.S.R.
 Geological Museum Karpinsky, Bolshaya Kaluzskaya St., No. 24, Moscow, U.S.S.R.
 Giredmet, Zubovskaja Ul. 7/17, Moscow 21, U.S.S.R.
 Glavogneupor, Pokrovskij Buljvar 14, Moscow, U.S.S.R.
 Gl. Red. Gorno Topl. Literaturny, Pr. Vladimirowa 4, Moscow, U.S.S.R.
 Knizhnyi Otedel, Akademii Nauk U.S.S.R., Ul. Kropotkina 16, Moscow 34, U.S.S.R.
 Moskovskiy Geologo-Razvedotschny Institut, Biblioteke, Mokhovaja II, Moscow,
 U.S.S.R.
 Nautschoj Biblioteke, Narkomtjazzhproma Delovoj Dvor, IV, Podjesd, Moscow,
 U.S.S.R.
 Nigrisoloto im Kosarewa Biblioteke Worobjewi Gori 47 A, Moscow 133, U.S.S.R.
 Post Biblioteki Akademii Nauk U.S.S.R., Bolsaja Kaluzskaja 24, Moscow, U.S.S.R.
 Trest Solotoraswedka Nikoljskaja Ul Staropanskij, Per 1 5, Moscow 12, U.S.S.R.
 Ilmenskij Zapovednik, Akademii Nauk Miass Tcheljabinskij, Obl. U.S.S.R.
 Fundament. Biblioteke P.G.U., Zaimka Ul. Genkelja 1, Perm. U.S.S.R.
 Akademisch Biblioteke, Rostovsk Gos. Universiteta Ul. Engelsa 64, Rostov. N. Donu,
 U.S.S.R.
 Sredne Wolshkomu, Instituta Prikladn Mineralogii, Sowetskaja Ul 135, Samara, U.S.S.R.
 Biblioteke Sverdl. Gos. Universiteta Im. Gorjkogo, Ul. 8 Marta 62, Sverdlovsk, U.S.S.R.

Biblioteke Uraljskogo Nauchno Issledov. In Tuta Geolog. Rasve, Dok I. Issled Miner Syrja Uralgeomin Pervomajskaja 1, Sverdlovsk, U.S.S.R.

Uralskij Filial Akademi Nauk, Ul. Malycheva 31/8, Sverdlovsk, U.S.S.R.

Gruzinskoje Otdelenije, Vsesojuzn. Instituta, Mineralnogo Syrja, Lermontovskaja Ul. 10, Tbilisi, U.S.S.R.

VENEZUELA

Instituto de Geologia, Avenida San Martin, Caracas, Venezuela.

The Caribbean Petroleum Company, Geological Department, Apartado 19, Maracaibo, Venezuela.

Lago Petroleum Corporation, Geological Department, Apartado 172, Maracaibo, Venezuela.

PROCEEDINGS OF SOCIETIES

NEW YORK MINERALOGICAL CLUB

American Museum of Natural History, New York City, October 19, 1938

The first meeting of the fall season opened with a resumé of the past year's accomplishments. About 78 members and guests were present; Dr. Olaf Andersen presided.

As is the custom at the first meeting, the program was then turned over to the members who recounted their summer collecting experiences and displayed specimens. Miss Catherine Schroeder told of a submarine phosphate deposit near San Diego, California. O. I. Lee spoke of a trip to the North Carolina pegmatites, where this year he collected sphene crystals of gem quality and a terminated green tourmaline crystal. M. A. Northup described collecting in the Pennsylvania coal region, where he found in the slates and mine waste, pyrite, millerite crystal tufts, siderite, ankerite, barite, quartz and pyrophyllite.

L. N. Yedlin displayed some Paterson minerals, and massive scheelite in hornblende schist from Trumbull, Connecticut. Harry Grahl showed additional Paterson minerals, stilbite from Summit, N. J.; and stilbite, heulandite, pyrite, and sphaerosiderite from the new Queens Tunnel dump in Flushing Bay. J. A. Taylor had minute modified fluorite crystals from a quarry near the Empire City racetrack. Peter Zodiac exhibited dumortierite and molybdenite from shaft 18 of the new water tunnel at Valhalla. A. C. Hawkins showed long needle-like gypsum crystals from New Mexico.

F. H. POUGH, *Secretary*

American Museum of Natural History, New York City, November 16, 1938

The meeting was called to order by President Andersen with about 60 members and guests present. L. N. Yedlin, as Chairman of the Excursion Committee, reported a very successful trip on October 30 to the Vandermeed Quarry in Paterson, where all of the members secured fine specimens of zeolites and associated minerals. The speaker of the evening, Dr. E. G. Zies, then addressed the Club upon "Mineral Products of Volcanic Activity."

The speaker brought out a number of interesting features in connection with their study of the Valley of Ten Thousand Smokes, especially regarding the abnormal composition of the magnetite crystals found only in the fumarole vents in the rhyolitic extrusion on the floor of the valley. They contain Pb, Zn, and Cu in considerable quantity: A later visit after temperature had fallen showed them to have decomposed with the formation of PbS, ZnS, and CuS. The mineralogical implications of the talk, the potentialities of vapor