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BY

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## Bibliography of Seismology

January to June, 1944

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- 5697. Butterfield, H. M., "Stope Filling Material with Respect to the Rockburst Problem", Confidential Report of Investigation for Lake Shore Mines, Ltd., Kirkland Lake, 1942.

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The article lists important discoveries by means of the seismic method of prospecting. A review, signed V. S., appears as No. 7292, p. 17, of *Geophysical Abstracts* 116, reported as No. 5679 of this list.

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A brief account of the founding and present status of the Seismological Society of America.

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- 5737. Ludy, Albert K., "Earthquake Notes", Vol. 15, Nos. 3-4, 1-7, Washington, May, 1944.

The above publication is the official organ of the Eastern Section of the Seismological Society of America. Items to be reported in *Earthquake Notes* should be forwarded to the Editor, A. K. Ludy, at the U.S. Coast and Geodetic Survey, Washington, D.C.

The present issue deals with: 1944 Meeting of the Eastern Section; Earth Science School at Saint Louis; A possible great earthquake (in the past) in the State of Washington; Short historic sketch of the Eastern Section; A vibration meter with variable period and magnification; Seismology in China; Turkish earthquake of November 27, 1943: Obituary of Arthur Keith; Obituary of Dr. F. J. W. Whipple; Argentine earthquake; Steel storage tank designed for seismic forces; Earthquake in Azores; Pulkovo Observatory; Belen Observatory, Cuba; Seismic sea wave (Aug. 24, 1942); together with isolated notes on a few other points of interest to seismologists.

- 5738. Lufcy, Carroll, "The Construction and Operation of the Wood-Anderson Seismograph" (abstract), Proceedings, Missouri Academy of Science, Vol. 6, No. 4, p. 90, Columbia, March 25, 1941.
- 5739. Lundberg, Hans, "A Plea for Lowering the Brows of the Geophysicists", Mining and Metallurgy, Vol. 24, No. 444, p. 560, New York, 1943.

A review, signed V. S., appears as No. 7328, p. 33, of Geophysical Abstracts 116, reported as No. 5679 of this list.

5740. Lynch, William A., and Dillon, Vincent, "The Deep-focus Earthquake of May 19, 1940, in the Sea of Okhotsk", Bulletin, Seismological Society of America, Vol. 33, No. 4, 251-267, 3 fig., 9 tab., bib., Berkeley, Oct. 1943.

The paper presents an intensive study of the available seismic data regarding the earthquake indicated. It was found to have a focal depth of about 580 km. Original seismograms were available from North American stations only, due to war conditions.

- 5741. Macelwane, James B., S.J., "The Rev. William Charles Repetti, S.J.", Bulletin, Seismological Society of America, Vol. 34, No. 2, 83-84, 1 fig., Berkeley, April, 1944.
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  - (2) "Expander for Electrical Seismographs" (Patent), U.S. No. 2,305,543, issued Dec. 15, 1942.

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- 5742. McCreery, D. H., "Frame Buildings for a Western Cantonment Designed to Resist Earthquake Stresses", Civil Engineering, Vol. 13, No. 6, 269-271, New York, June, 1943.

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- Metcalf, D. F., and Neuenschwander, E. F., "Study of Electrical Earth Noise". See No. 5752 of this list.
- 5743. MINDLIN, R. D., "Stress Distribution around a Tunnel", Proceedings, American Society of Civil Engineers, New York, April, 1939.

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- 5744. MINES MAGAZINE. Obituary of W. A. J. M. van Waterschoot van der Gracht, Mines Magazine, Vol. 33, No. 12, 676-677, Golden, Dec., 1943.

Obituary of the famous geologist who is reported to have died at Rowrmond in the Netherlands in August. Dr. van der Gracht is well known to seismologists through his work on the book "Continental Drift", published some years ago by the American Association of Petroleum Geologists.

- 5745. MINES MAGAZINE, "New Method of Seismic Prospecting", Mines Magazine, Vol. 34, No. 4, p. 177, Golden, April, 1944.
  - Describes a new detonating fuse which prevents throwing out of contact wires from a shot hole with the possibility of fouling high tension wires.
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- 5747. Morrison, R. G. K., "Notes on Witwatersrand Mining Practice", Kolar Gold Fields

  Mining and Metallurgical Society Bulletins, Vol. 9, No. 38, p. 2, 1935.

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- 5748. Morrison, R. G. K., "Points of View on the Rock Burst Problem", Transactions, Canadian Institute of Mining and Metallurgy, Vol. 42, 443-460, Montreal, Aug., 1939.

  D.D.
- 5749. NATURE. The arrival of this periodical at Ottawa is very erratic at times, due to present war conditions, with the result that some issues arrive very late. For example, the issue for April 24, 1943, reached the Observatory on May 8, 1944. The following item may be noted: "Seismological Tables", Nature, No. 3834, Vol. 151, p. 472, London, April 24, 1943.
- 5750. NATURE. Brief items of interest to seismologists have appeared in recent issues of Vol. 152 of the above periodical (London, 1943) as follows:
  - (1) "Earthquakes Recorded during September", No. 3868, p. 720, Dec. 18.
- 5751. NATURE. Brief items of interest to seismologists have appeared in recent issues of Vol. 153 of the above periodical (London, 1944) as follows:
  - (1) "An Ultra-High-Speed Motion-Picture Camera", No. 3872, p. 77, Jan. 15.
  - (2) "Recent Earthquakes", No. 3875, p. 163, Feb. 5.
  - (3) "Man's Influence on Seismic Movements", No. 3877, p. 219, Feb. 19.
  - (4) "The Dominion Observatory, Wellington", Ibid., 219-220.
  - (5) "Earthquake in Turkey", No. 3876, p. 193, Feb. 12.
  - (6) "Earthquakes Registered in New Zealand and Spain", No. 3883, 402-403, April 1.
  - (7) "Recent Earthquakes", No. 3884, p. 431, April 8.
  - (8) "Bibliography of Seismology", No. 3886, p. 491, April 22.
  - (9) "Geophysical Exploration in Canada and the United States", Ibid., p. 503.
  - (10) "Earthquakes Registered at Fiji", No. 3887, p. 522, April 29.
  - (11) "Earthquakes Registered at Kew", No. 3888, p. 554, May 6.
  - (12) "The Microtimer", No. 3889, p. 599, May 13.
- 5752. NEUENSCHWANDER, E. F., and METCALF, D. F., "Study of Electrical Earth Noise", Geo-physics, Vol. 7, No. 1, 69, 77, Houston, Jan., 1942.

5753. Ongley, M., "Wairarapa Earthquake of 24th June, 1942, together with Map showing Surface Traces of Faults Recently Active", New Zealand Journal of Science and Technology, Sec. B, Vol. 25, No. 2, 67-78, 17 fig., 2 maps, Wellington, Sept., 1943.

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