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Bibliography of Seismology

July - December, 1957

10071. ABARCA, J. F., "Las zonas sismicas de Mexico," *Anales del Instituto de Geofisica*, Vol. 2, 20-28, Mexico, 1956.
10072. AKAMATU, K., "Tomoda's Method for Calculating Correlation Coefficients as Applies to Microtremor Analysis," *Journal of Physics of the Earth*, Vol. 4, No. 2, 81-83, Tokyo, Sept., 1956.
10073. AKI, Keiiti, "Thermal Process Near the Earth's Crust," *Journal of Physics of the Earth*, Vol. 4, No. 2 53-62, Tokyo, 1956.
10074. AKI, Keiiti, "Correlogram Analyses of Seismograms by Means of a Simple Automatic Computer," *Journal of Physics of the Earth*, Vol. 4, No. 2, 71-80, Tokyo, Sept. 1956
10075. AKI, Keiiti, "Space and Time Spectra of Stationary Stochastic Waves, with Special Reference to Micro-tremors," *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 3, 415-456, Tokyo, Sept., 1957.
10076. AMEMIYA, S., "Investigation on the Earthquakes Recorded at Kushiro, Hokkaido," (in Japanese), *Quarterly Journal of Seismology*, Vol. 21, No. 4, 19-26, Tokyo, March, 1957.
10077. ANNAU, E., and POSGAY, K., "Agitation of the Soil," (abstract only in English), *Geofizikai Közlemények*, Vol. 5, No. 4, 3-6, Budapest, 1956.
- ANNAU, E., and POSGAY, K., "Diffraction of seismic Waves." See No. 10236 of this list.
10078. ASADA, T., "Frequency Distribution of Earthquake Magnitude, Seismicity and Related Problems," (in Japanese), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 10, No. 1, 24-34, Tokyo, Aug., 1957.
10079. BANERJI, S. K., "Earthquakes in the Himalayan Region," 64 pages. Price \$1. Indian Assn. Cultivation Sci., Calcutta, 1957. Trans. A.G.U.
10080. BÄTH, M., "Some Consequences of the Existence of Low-velocity Layers," *Annali di Geofisica*, Vol. 9, No. 4, 411-450, bib., Rome, 1956.
10081. BÄTH, M., "A Continental Channel Wave, Guided by Intermediate Layer in the Crust," *Geofisica Pura e Applicata*, Vol. 38, 19-31, 5 fig., 2 tab., bib., Milan, 1957.
10082. BÄTH, M., "Erdbebenenergie," *Zs. Bauwesen, Huttenwesen, Verwand. Wiss.*, Vol. 9, 17-21, 1957. Trans. A.G.U.
10083. BÄTH, M., "Shadow Zones, Travel Times, and Energies of Longitudinal Waves in the Presence of an Asthenosphere Low-velocity Layer," *Transactions, American Geophysical Union*, Vol. 38, No. 4, 529-538, 5 fig., 4 tab., bib., Washington, Aug., 1957.

10084. BATH, M., and VOGEL, A., "Continental Dispersion of Seismic Surface Waves," *Geofisica Pura e Applicata*, Vol. 38, 10-18, 4 fig., 5 tab., bib., Milan, 1957.
10085. BENIOFF, Hugo, "Seismological Research," (at the California Institute of Technology), *Engineering and Science Monthly*, 2 pages, 4 fig., Oct., 1957.
- BERG, J. W., COOK, K. L., and MURPHY, W. O., "Seismic Velocity Study of Synthetic Cores." See 10210 of this list.
- BERSON, I. S., GAMBURCEV, G. A., and RIZNICENKO, Ju. V., "Die Korrelationsmethode gebrochener Wellen." See No. 10128 of this list.
10086. BIRKENHAUER, H. F., S. J., "A Statistical Study of Blast Vibrations," *Earthquake Notes*, Vol. 28, No. 2-3, 14-15, Washington, June-Sept., 1957.
10087. BISZTRICSANY, E., and CSOMOR, D., "Working up of Microseismic Data Concerning the Earthquake of January 12, 1956, and the Structure of the Earth's Crust in the Hungarian Basin," (abstract only in English), *Geofizikai Közlemények*, Vol. 6, No. 1-2, 37-46, Budapest, 1957.
10088. BONELLI RUBIO, J. M., and ESTEBAN CARRASCO, L. E. "El primer sismo europeo de foco profundo," *Revista de Geofisica*, No. 59, Vol. 15, 301-322, Madrid, July-Sept., 1956.
10089. BORTFELD, R., "A Method of Dip Corrections for Expanding Spread Velocity Measurements," *Geofisica Pura e Applicata*, Vol. 38, 32-44, 3 fig., 3 tab., bib., Milan, 1957.
10090. BOSSOLASCO, A. C., and DAGNIO, I., "Sulla genesi dei microsismi," *Geofisica Pura e Applicata*, Vol. 38, 45-56, 1 tab., bib., Milan, 1957.
- BRAUGHT, Gene, CHANG, F. K., and HEINRICH, R. R., "Observations of Ground Vibrations in Loess at Florissant Missouri." See No. 10148 of this list.
10091. BREWER, H. L., "Reflection Seismography Work in Southwest France Leading to the Discovery of the Parentis and Mothes Oil Fields," (abstract), *Geophysics*, Vol. 22, No. 3, page 748, Menasha, July, 1957.
10092. BROSE, P., "Die seismische Bestimmung der Grundwassertiefe," *Zeitschrift, für Geophysik*, Jahr. 23, Heft 5, 236-240, 4 fig., Würzburg, 1957.
10093. BRUET, E., "Les tremblements de terre d'origine volcanique," *Monde souterrain*, Vol. 21, 271-274, 1956.

An abstract appears in *Bull. Sign. CNRS*, Part 1, Vol. 18, page 384, 1957.

Trans. A.G.U.

10094. BULLARD, E. C., "The Density within the Earth," *K. Nederland Geol.-Mijn. Genoot., Geol. Ser. 18*, (Vening Meinesz volume), 23-41, 1957).

Trans. A.G.U.

10095. BULLEN, K. E., "Seismology and the Earth's Deep Interior," *Austral. J. Sci.*, Vol. 19, 99-100, 1956.

An abstract appears in *Bul. Sign. CNRS*, Part 1, Vol. 18, page 2928, 1957.

Trans. A.G.U.

10096. BULLEN, K. E., and BURKE-GAFFNEY, T. N., "Evidence Relating to the Earth's Inner Core from Hydrogen Bomb Explosions in 1954," *Nature*, Vol. 180, 49-50, London, July 6, 1957.
- BURKE-GAFFNEY, T. N., and BULLEN, K. E., "Evidence Relating to the Earth's Inner Core from Hydrogen Bomb Explosions in 1954." See No. 10096 of this list.
10097. BYCROFT, G. N., "The Magnification Caused by Partial Resonance of the Foundation of a Ground Vibration Detector," *Transactions, American Geophysical Union*, Vol. 38, No. 6, 928-930, 3 fig., bib., Washington, Dec., 1957.
- BYERLY, P., and EATON, J., "Calibration of the Short-Period Sprengnether Seismograph." See No. 10118 of this list.
10098. CALIFORNIA STATE DIVISION OF MINES, "San Francisco Earthquake of March 22, 1957," *Min. Inf. Serv.*, Vol. 10, 1-5, 1957. Trans. A.G.U.
10099. CARABELLI, E., and FOLICALDI, R., "Seismic Model Experiment on Thin Layers," *Geophysical Prospecting*, Vol. 5, No. 3, 317-328, 8 fig., The Hague, Sept., 1957.
10100. CERVENY, V., "The Reflection of Spherical Elastic Waves at a Plane Boundary," *Geofysikalni Sbornik*, Paper No. 44, 343-364, 9 fig., bib., Prague, 1956.
- CHANG, F. K., HEINRICH, R. R., and BRAUGHT, Gene, "Observations of Ground Vibrations in Loess at Florissant Missouri." See No. 10148 of this list.
10101. CHOPRA, S. D., "The Range of Existence of Stoneley Waves in an Internal Stratum II. Antisymmetric Vibrations," *Monthly Notices of the Royal Astronomical Society, Geophysical Supplement*, Vol. 7, No. 6, 338-346, 4 fig., London, Nov., 1957.
10102. CLOUD, W. K., "Intensity Distribution and Strong-Motion Seismograph Results, Nevada Earthquakes of December 16, 1954," *Bulletin, Seismological Society of America*, Vol. 47, No. 4, 327-334, 5 fig., 3 tab., Berkeley, Oct., 1957.
- COCK, J. Irma, and HODGSON, J. H., "Direction of Faulting in the Greek Earthquakes of August 9-13, 1953." See No. 10154 of this list.
10103. CONTINI, C., "Terremoti, vulcani e giacimenti di vapore naturale," *Annali di Geofisica*, Vol. 9, No. 4, 561-576, bib., Rome, 1956.
10104. CONTINI, C., MAINO, C., and RANUCCI, M., "New Criteria for Interpreting Seismic Refraction Data," (abstract), *Geophysics*, Vol. 22, No. 3, page 750, Menasha, July, 1957.
- COOK, K. L., MURPHY, W. O., and BERG, J. W., "Seismic Velocity Study of Synthetic Cores." See No. 10210 of this list.
- CSOMOR, D., and BISZTRICSANY, E., "Working up of Microseismic Data Concerning the Earthquake of January 12, 1956, and the Structure of the Earth's Crust in the Hungarian Basin." See No. 10087 of this list.
10105. CUCUZZA SILVESTRI, S., "Sul periodo sismico di Pedara (Etna) manifestatosi nei primi mesi del 1955," *Annali di Geofisica*, Vol. 9, No. 4, 577-593, bib., Rome, 1956.

- DAGNIO, I., and BOSSOLASCO, A. C., "Sulla genesi dei microsismi." See No. 10090 of this list.
10106. DARBYSHIRE, J., and DARBYSHIRE, Mollie, "The Refraction of Microseisms on Approaching the Coast of the British Isles," *Monthly Notices of the Royal Astronomical Society, Geophysical Supplement*, Vol. 7, No. 6, 301-307, 4 fig., bib., London, Nov., 1957.
- DARBYSHIRE, Mollie, and DARBYSHIRE, J., "The Refraction of Microseisms on Approaching the Coast of the British Isles," See No. 10106 of this list.
10107. DAS GUPTA, Chandra, S., "On Microseisms Produced on the Surface of the Earth Due to Passage of Storm over the Deep Sea," *Journal of Physics of the Earth*, Vol. 4, No. 2, 31-40, Tokyo, Sept., 1956.
10108. DEIST, H. J., and DOHR, G., "Untersuchungen über Perioden von Erdbebenwellen in Abhängigkeit von Herdgebiet und Herdentfernung," *Zeitschrift für Geophysik*, Jahr. 23, Heft 1, 34-41, 2 fig., bib., Würzburg, 1957.
10109. DINGER, J. E., and SCHWARTZ, J. B., "Correlation of Ocean Wave and Microseism Power Spectra," (abstract), *Earthquake Notes*, Vol. 28, No. 2-3, page 15, Washington, June-Sept., 1957.
10110. DOHR, G., "Determination of Very Deep Reflectors by Reflection Seismograph Work," (abstract), *Geophysics*, Vol. 22, No. 3, page 745, Menasha, July, 1957.
- DOHR, G., and DEIST, H. J., "Untersuchungen über Perioden von Erdbebenwellen in Abhängigkeit von Herdgebiet und Herdentfernung." See No. 10108 of this list.
10111. DONN, W. L., "A Case Study Bearing on the Origin and Propagation of 2- to 6- Second Microseisms," *Transactions, American Geophysical Union*, Vol. 38, No. 3, 354-359, 2 fig., bib., Washington, June, 1957.
10112. DORMAN, James, "Numerical Solutions for Love Wave Dispersion on Layered Media," (abstract), *Earthquake Notes*, Vol. 28, No. 2-3, Page 15, Washington, June-Sept., 1957.
10113. DOYLE, H. A., "Seismic Recordings of Atomic Explosions in Australia," *Nature*, No. 4577, Vol. 180, 132-134, 2 fig., bib., London, July 20, 1957.
- DRAKE, C. L., and NAFE, J. E., "Variation with Depth in shallow and Deep Water Marine Sediments of Porosity, Density and the Velocities of Compressional and Shear Waves," See No. 10212 of this list.
10114. DUKE, C. M., "Effects of Soil Conditions on Earthquake Damage," (second draft of a bibliography—mimeographed), 39 pages, Department of Engineering, University of California, Los Angeles, April, 1957.
10115. DUNOYER, Phillip, "Refraction of Seismic Waves in an Anisotropic Medium: Application of Anisotropic Principles to a Borehole in the Sahara and an Interpretation through Seismic Refraction." (abstract), *Geophysics*, Vol. 22, No. 3, page 745, Menasha, July, 1957.
10116. DVORAK, Arnost, "The Measurement of Vibrations from Blasting Operations," (summary only in English), *Geofysikální Sborník*, Paper No. 49, 556-558, Prague, 1956.

10117. EATON, J. P., "Theory of the Electromagnetic Seismograph," *Bulletin, Seismological Society of America*, Vol. 47, No. 1, 37-76, 6 fig., 5 tab., bib., Berkeley, Jan., 1957.
10118. EATON, J., and BYERLY, P., "Calibration of the Short-Period Sprengnether Seismograph," *Bulletin, Seismological Society of America*, Vol. 47, No. 2, 155-166, 2 fig., bib., Berkeley, April, 1957.
- EDWARDS, R. S., EWING, J. I., OFFICER, C. B., and JOHNSON, H. R., "Geophysical Investigations in the Eastern Caribbean: Trinidad Shelf, Tobago Trough, Barbados Ridge, Atlantic Ocean." See No. 10124 of this list.
10119. EGYED, L., "On the Causes of Movements in the Earth's Crust and the Crustal Movements in Hungary," (abstract only in English), *Geofizikai Közlemények*, Vol. 6, No. 1-2, 47-52, Budapest, 1957.
10120. EIBY, G. A., "About Earthquakes," 168 pages, illus. Price \$3.00. Harper, New York, 1957.
- A review by Beno Gutenberg appears in *The Scientific Monthly*, Vol. 85, No. 4, 211-212, Lancaster, Oct., 1957.
- EISLER, J. D., and HADLEY, C. F., "Electrical Recorder for Seismic Data." See No. 10142 of this list.
- EMURA, K., and HONDA, H., "The Production of the Two-Dimensional Elastic Waves." See No. 10157 of this list.
- EMURA, K., HONDA, H., and MASATSUKA, A., "On Mechanism of Earthquakes and the Stresses Producing Them in Japan and Its Vicinity (Second Paper)," See No. 10158 of this list.
10121. ERATH, L. W., "Direct Recording vs. FM Recording in Seismic Tape Machines," *Geophysical Prospecting*, Vol. 5, No. 2, 151-164, The Hague, June, 1957.
- ESTEBAN CARRASCO, L. E., and BONELLI RUBIO, J. M., "El primer sismo europeo de foco profundo," See No. 10088 of this list.
10122. EVISON, F. F., "The Pulsed Vibrator as a Seismic Source," *Geophysical Prospecting*, Vol. 5, No. 4, 381-392, bib., The Hague, Dec., 1957.
10123. EWING, J. I., OFFICER, C. B., JOHNSON, H. R., and EDWARDS, R. S., "Geophysical Investigations in the Eastern Caribbean: Trinidad Shelf, Tobago Trough, Barbados Ridge, Atlantic Ocean," *Bulletin, Geological Society of America*, Vol. 68, No. 7, 897-912, 6 fig., 1 pl., New York, July, 1957.
10124. EWING, Maurice, JARDETZKY, W. S., and PRESS, Frank, "Elastic Waves in Layered Media," xi + 380 pages. McGraw-Hill Company, Inc., New York, 1957.
- A review appears in the *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 290-291, Berkeley, July, 1957.
- EWING, Maurice, and OLIVER, Jack, "Microseisms in the 11 to 18 Second Period Range." See No. 10223 of this list.

- EWING, Maurice, and OLIVER, Jack, "Higher Modes of Continental Rayleigh Waves." See No. 10224 of this list.
- EWING, Maurice, and OLIVER, Jack, "The Second Mode of Continental Love Waves." See No. 10225 of this list.
- EWING, Maurice, and SHURBET, D. H., "*T* Phases at Bermuda and Transformation of Elastic Waves." See No. 10268 of this list.
- FOLICALDI, R., and CARABELLI, E., "Seismic Model Experiment on Thin Layers." See No. 10099 of this list.
10125. FÖRTSCH, O., "Die Ursachen der Absorption elastischer Wellen," *Annali di Geofisica*, Vol. 9, No. 4, 469-524, bib., Rome, 1956.
- FREDRICKS, R. W., GANGI, A. F., PORTER, L. D., and KNOPOFF, L., "Surface Amplitudes of Reflected Body Waves." See No. 10193 of this list.
- FUKUDA, T., MORIMOTO, R., and OSSAKA, J., "Geology of Imaichi District with Special Reference to the Earthquake of Dec. 26, 1949 III." See No. 10208 of this list.
10126. GALFI, J., and STEGENA, L., "Deep Reflections in the Region of Hajduszoboszló," (summary only in English), *Geofizikai Közlemények*, Vol. 14, No. 2, 37-40, Budapest, 1955.
10127. GALFI, J., and STEGENA, L., "Some Data Obtained with Seismic Reflection Measurements Concerning the Hungarian Part of the Earth's Crust," (abstract only in English), *Geofizikai Közlemények*, Vol. 6, No. 1-2, 53-60, Budapest, 1957.
10128. GAMBURTCEV, G. A., RIZNICENKO, Ju. V., and BERSON, I. S., "Die Korrelationsmethode gebrochener Wellen," *Izdatel'stvo Akad. Nauk USSR*, (in Russian), 239 pages, 1952.
German summary in *Veröffentlichung*, No. 35, Vol. 9, 146-152, Bergakademie Freiberg, 1957.
Trans. A.G.U.
- GANGI, A. F., PORTER, L. D., KNOPOFF, L., and FREDRICKS, R. W., "Surface Amplitudes of Reflected Body Waves." See No. 10193 of this list.
10129. GATES, J. P., "Descriptive Geometry and the Offset Seismic Profile," *Geophysics*, Vol. 22, No. 3, 589-609, 16 fig., bib., Menasha, July, 1957.
10130. GERSHANIK, S., "Seismic Prospecting by Wiechert-Herglitz Method of Calculus," *Geofisica Pura e Applicata*, Vol. 37, 21-34, bib., Milan, 1957.
10131. GIANELLA, V. P., "Earthquake and Faulting, Fort Sage Mountains California, December, 1950," *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 173-178, 1 fig., Berkeley, July, 1957.
10132. GIAO, A., "Ondes de surface," *Geofisica Pura e Applicata*, Vol. 37, 237-267, 2 fig., Milan, 1957.
10133. GOODMAN, L. E., ROSENBLUETH, E., and NEWMARK, N. M., "A Seismic Design of Firmly Founded Elastic Structures," *Trans. Amer. Soc. Civ. Eng.*, Vol. 120, 782-802, 1955.
An abstract appears in *Appl. Mech. Rev.*, Vol. 10, No. 3, page 130, 1957.
Trans. A.G.U.

10134. GOUGH, D. I., and VAN NIEKERK, C. B., "Seismic Investigations in Southwest African River Beds." *Geofisica Pura e Applicata*, Vol. 37, 35-44, 7 fig., Milan, 1957.
10135. GOUIN, Pierre, "An Electronic Seismic Transducer for Visual Recording," *Annales de Géophysique*, Tome 13, No. 3, 234-241, 9 fig., Paris, 1957.
10136. GROS, P., and LEDOUX, Y., "Practical Methods of Interpretation in Seismic Refraction," (abstract), *Geophysics*, Vol. 22, No. 3, page 750, Menasha, July, 1957.
10137. GUTENBERG, Beno, "Effects of Ground on Earthquake Motion," *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 221-250, 24 fig., Berkeley, July, 1957.
10138. GUTENBERG, Beno, "Earthquake Energy Released at Various Depths," *K. Nederland. Geol.-Mijn. Genoot. Geol. Ser. 18*, (Vening Meinesz volume), 165-175, 1957.
Trans. A.G.U.
10139. GUTENBERG, Beno, "The 'Boundary' of the Earths' Inner Core," *Transactions, American Geophysical Union*, Vol. 38, No. 5, 750-753, 3 fig., 2 tab., bib., Washington, Oct., 1957.
10140. GUTENBERG, Beno, "Zur Frage der Gebirgswurzeln," *Geologischen Rundschau*, Band 46, Heft 1, 30-38, 3 fig., bib., Stuttgart, 1957.
10141. HAALK, Hans, "Zur Frage der inneren Gliderung des Gesteinsmantels der Erd," *Forschungen und Fortschritte*, Band 31, Heft 6, 168-175, 9 fig., Berlin, June, 1957.
10142. HADLEY, C. F., and EISLER, J. D., "Electrical Recorder for Seismic Data," *Geophysics*, Vol. 22, No. 4, 829-841, 11 fig., Menasha, Oct., 1957.
10143. HALES, F. W., "The Nature and Synthesis of the Seismic Refraction Arrival," (abstract) *Geophysics*, Vol. 22, No. 3, page 744, Menasha, July, 1957.
10144. HAMAMATSU, O., "On the Queen Charlotte Islands Earthquake (Aug. 22, 1949) Observed in Japan (The 2nd paper)," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 3, 33-46, Tokyo, Dec., 1956.
10145. HAMAMATSU, O., and ICHIKAWA, M., "Sur une méthode assistante de détermination rapide des épicentres des séismes éloignés," (in Japanese with French summary), *Quarterly Journal of Seismology*, Vol. 21, No. 2, 41-50, Tokyo, Sept., 1956.
10146. HARDTWIG, E., "Näherungsformeln für die bei der Reflexion und Brechung elastischer Wellen an Unstetigkeitsflächen auftretenden Reflexions- und Transmissionskoeffizienten," *Geofisica Pura e Applicata*, Vol. 37, 1-16, bib., Milan, 1957.
10147. HARDTWIG, E., "Über die Entstehung der Mikroseismik," *Zeitschrift für Geophysik*, Jahr. 23, Heft 2, 83-112, bib., Würzburg, 1957.
- HEALY, John and PRESS, Frank, "Absorption of Rayleigh Waves in Low-loss Media." See No. 10238 of this list.
10148. HEINRICH, R. R., BRAUGHT, Gene, and CHANG, F. K., "Observations of Ground Vibrations in Loess at Florissant Missouri," *Earthquake Notes*, Vol. 28, No. 2-3, 16-19, 3 fig., bib., Washington, June-Sept., 1957.

10149. HERRIN, Eugene, "The Reliability of North American Seismological Stations," *Bulletin, Seismological Society of America*, Vol. 47, No. 1, 1-6, 2 tab., Berkeley, Jan. 1957.
10150. HIGUTI, T., "On the Dynamical Characteristics of Recording System of Wiechert's 200 kg Horizontal Seismograph," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 2, 25-36, Tokyo, Sept., 1956.
10151. HIGUTI, T., "On a Motion of Inverted Pendulum with Flexure Pivot under Axial Compression Load," (in Japanese with English Summary), *Quarterly Journal of Seismology*, Vol. 22, No. 2, 1-12, Tokyo, Sept., 1957.
10152. HILL, M. N., "Geophysical Investigations on the Floor of the Atlantic Ocean in *Discovery II*, 1956," *Nature*, No. 4575, Vol. 180, 10-13, 2 fig., London, July 6, 1957.
- HIRONO, T., and USAMI, T., "Elastic Waves Generated from a Spheroidal Cavity Whose Wall is Subjected to Normal Stress of Harmonic Type." See No. 10295 of this list.
10153. HODGSON, J. H., "Problems of Geophysics in the Canadian Arctic-Seismology," *Arctic Research*, Special Pub. No. 2 of the Arctic Institute of North America.
10154. HODGSON, J. H., and COCK, J. Irma, "Direction of Faulting in the Greek Earthquakes of August 9-13, 1953," *Annales Géologiques des Pays Helléniques*, Vol. 8, 29-47, 1956.
Also in *Publications of the Dominion Observatory*, Vol. 18, 147-167, Ottawa, 1956.
10155. HODGSON, J. H., WILSON, J. Tuzo, and MISENER, A. D., "Seismology and the Physics of the Earth's Interior," (a report on Canadian Work for 1956), *Canadian Geophysical Bulletin*, Vol. 9, 10-26, Ottawa, 1956.
10156. HONDA, H., "The Mechanism of the Earthquakes," *Science Reports of the Tōhoku University, Fifth Series, Geophysics*, Vol. 9, Supplement, 46 pages, 60 fig., 120 references, Sendai, July, 1957.
10157. HONDA, H., and EMURA, K., "The Production of the Two-Dimensional Elastic Waves," *Science Reports of the Tōhoku University, Fifth Series, Geophysics*, Vol. 8, No. 3, 206-211, Sendai, March, 1957.
10158. HONDA, H., MASATSUKA, A., and EMURA, K., "On the Mechanism of Earthquakes and the Stresses Producing Them in Japan and Its Vicinity (Second Paper)," *Science Reports of the Tōhoku University, Fifth Series, Geophysics*, Vol. 8, No. 3, 186-205, Sendai, March, 1957.
10159. HORDEJUK, Jozef, "Direction of Faulting in the Earthquake of Nov. 16, 1911," (in Polish), *Acta Geophysica Polonica*, Vol. 5, No. 2, 103-109, Warsaw, 1957.
10160. HOUSNER, G. W., "Earthquake Resistant Design Based on Dynamic Properties of Earthquakes," *J. Amer. Concr. Inst.*, Vol. 28, 85-98, 1956.
An abstract appears in *Appl. Mech. Rev.*, Vol. 10, page 178, 1957.
- Trans. A.G.U.
10161. HOUSNER, G. W., "Dynamic Pressures on Accelerated Fluid Containers," *Bulletin, Seismological Society of America*, Vol. 47, No. 1, 15-36, 11 fig., bib., Berkeley, Jan., 1957.

10162. HOUSNER, G. W., "Interaction of Building and Ground During an Earthquake," *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 179-186, 11 fig., Berkeley, July, 1957.
10163. HULTQVIST, Bengt, "The Kiruna Geophysical Observatory, Sweden," *Nature*, No. 4591, Vol. 180, 828-830, 4 fig., London, Oct. 26, 1957.
10164. ICHIKAWA, M., "Tremblements de terre du district du Kwanto (1933-1952)," (in Japanese with French summary), *Quarterly Journal of Seismology*, Vol. 21, No. 3, 21-32, Tokyo, Dec., 1956.
10165. ICHIKAWA, M., "Nodal Line of Initial P Wave of Near Earthquake," (in Japanese with English Summary), *Quarterly Journal of Seismology*, Vol. 22, No. 2, 27-42, Tokyo, Sept., 1957.
- ICHIKAWA, M., and HAMAMATSU, O., "Sur une méthode assistante de détermination rapide des épicentres des séismes éloignés." See No. 10145 of this list.
10166. INGRAM, R. E., S. J., "Fault Plane of the Chile Earthquake, December 7, 1953," *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 281-286, 1 fig., 1 tab., bib., Berkeley, July, 1957.
10167. JAPAN METEOROLOGICAL AGENCY—SEISMOLOGICAL SECTION, "List of the Seismological Stations of the World," (An English listing of 518 stations with their coordinates and instrumentation), *Quarterly Journal of Seismology*, Vol. 21, No. 4, 61-74, Tokyo, March, 1957.
10168. JAPAN METEOROLOGICAL AGENCY, SEISMOLOGICAL SECTION, "On the Ground Conditions of Seismograph Room of Weather Stations Attached to J.M.A." (in Japanese), *Quarterly Journal of Seismology*, Vol. 22, No. 2, 49-64, Tokyo, Sept., 1957.
- JARDETZKY, W. S., PRESS, Frank, and EWING, Maurice, "Elastic Waves in Layered Media." See No. 10123 of this list.
10169. JEFFREYS, HAROLD "Elastic Waves in a Continuously Stratified Medium," *Monthly Notices of the Royal Astronomical Society, Geophysical Supplement*, Vol. 7, No. 6, 332-337, London, Nov., 1957.
10170. JENSEN, Henry, "On Beat-distribution in Group-microseisms," *Geod. Inst.*, No. 34, 27 pages, Copenhagen, 1957.
- JOHNSON, H. R., EDWARDS, R. S., EWING, J. I., and OFFICER, C. B., "Geophysical Investigations in the Eastern Caribbean: Trinidad Shelf, Tobago Trough, Barbados Ridge, Atlantic Ocean." See No. 10124 of this list.
10171. KAMAMOTO, H., "Study on the Conical Pendulum Governor for Seismograph" (Report 1), (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 4, 7-14, Tokyo, March, 1957.
- KAMITSUKI, A., and KISHIMOTO, Y., "On the Crustal Structure as Deduced from Fore-runner Analysis." See No. 10189 of this list.
- KAMITSUKI, A., and KISHIMOTO, Y., "On the Amplitude of Seismic Waves Observed at Epicentral Distance from 6° to 26°." See No. 10190 of this list.

- KAMITSUKI, A., MIKUMO, T., and OTSUKA, M., "On the Nature of Local Earthquakes Observed in Wakayama District." See No. 10205 of this list.
10172. KANAI, K., "The Requisite Conditions for the Predominant Vibration of Ground," *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 3, 457-472, Tokyo, Sept., 1957.
10173. KANAI, K., "Semi-empirical Formula for the Seismic Characteristics of the Ground," *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 2, 307-326, Tokyo, June, 1957.
10174. KANAI, K., KAWASUMI, H., TANAKA, T., and OSADA, K., "Measurement of the Micro-tremor V, (Osaka City)," (in Japanese), *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 1, 163-180, Tokyo, March, 1957.
10175. KANAI, K., NASU, T., TANAKA, T., and OSADA, K., "Measurement of the Micro-tremor IV, (Sakata and Tsuroka)," (in Japanese), *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 1, 149-162, Tokyo, March, 1957.
10176. KANAI, K., TANAKA, T., MORISHITA, T., and NAKAGAWA, K., "Measurement of the Micro-tremor VI, (Ichinomiya City, Aichi Prefecture)," (in Japanese), *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 1, 181-190, Tokyo, March, 1957.
10177. KANAI, K., TANAKA, T., and OSADA, K., "Measurement of the Micro-tremor II, (Tokyo Metropolis)," (in Japanese), *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 1, 109-134, Tokyo, March, 1957.
10178. KANAI, K., TANAKA, T., and OSADA, K., "Measurement of the Micro-tremor III, (Yokohama City)," (in Japanese), *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 1, 135-148, Tokyo, March, 1957.
10179. KANAI, K., TANAKA, T., and OSADA, K., "Measurement of the Micro-tremor VII, (Kawasaki City)," (in Japanese), *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 1, 191-200, Tokyo March, 1957.
10180. KARNIK, V., "Magnitudenbestimmung europäischer Nahbeben," *Geofysikální Sbornik*, Paper No. 47, 399-459, 15 fig., bib., Prague, 1956.
10181. KARNIK, V., "Zur Magnitudenbestimmung der Nahbeben," *Studia Geophysica et Geodaetica*, Vol. 1, 88-94, 4 fig., 1 tab., Prague, 1957.
10182. KARNIK, V., and VANEK, J., "On the Investigation of Tectonic Microtremors in the Komarno Basin," *Studia Geophysica et Geodaetica*, Vol. 1, 95-100, 2 fig., Prague, 1957.
10183. KASAHARA, K., "The Nature of Seismic Origins as Inferred from Seismological and Geodetic Observations." *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 3, 473-532, Tokyo, Sept., 1957.
10184. KATO, Y., and TAKAGI, A., "Seismic Model Studies, Part 3. On the Initial Motion of Dilatational and Distortional Waves Produced by Various Types of Forces," *Science Reports of the Tohoku University, Fifth Series, Geophysics*, Vol. 8, No. 3, 212-224, Sendai, March, 1957.

10185. KATSUMATA, M., "Vertical Distribution of Earthquake Foci in and Around Japan," *Geophysical Magazine*, Vol. 27, No. 4, 483-486, 2 fig., bib., Tokyo, Dec. 1956.
- KAWASUMI, H., TANAKA, T., OSADA, K., and KANAI, K., "Measurement of the Micro-tremor V. (Osaka City)." See No. 10174 of this list.
10186. KEIMATSU, M., "The Chungwei-hsein Great Earthquake, 1907." (in Japanese with English abstract), *Zisin, Journal of the Seismological Society of Japan*, Vol. 9, No. 3, 151-155, Tokyo, Feb., 1957.
10187. KHACHIJAN, G. M., "Séismomètre de précision à plusieurs pendules," (in Russian), *Akad. Nauk Arjan. SSR, Dokl.*, Vol. 21, 205-207, 1955.
- An abstract appears in *Bull. Sign. CNRS*; Part 1, Vol. 18, page 385, 1957.
- Trans. A.G.U.
10188. KILCZER, G., "Possibility of the Detection of Shot and Inverse Strata by Means of Seismic Refraction Measurement," (abstract only in English), *Geofizikai Közlemények*, Vol. 4, No. 2, 57-64, Budapest, 1955.
10189. KISHIMOTO, Y., and KAMITSUKI, A., "On the Crustal Structure as Deduced from Fore-runner Analysis," (in Japanese with English abstract), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 9, No. 4, 200-208, Tokyo, March, 1957.
10190. KISHIMOTO, Y., and KAMITSUKI, A., "On the Amplitude of Seismic Waves Observed at Epicentral Distance from 6° to 26°," (in Japanese with English abstract), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 9, No. 4, 209-217, Tokyo, March, 1957.
10191. KISHINOUE, F., "Phase Lag of Vibrations of Buildings Excited by a Vibrator," *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 2, 377-380, Tokyo, June, 1957.
10192. KISHINOUE, F., "Studies of Microseisms by Observations," *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 3, 532-544, Tokyo, Sept., 1957.
10193. KNOPOFF, L., FREDRICKS, R. W., GANGI, A. F., and PORTER, L. D., "Surface Amplitudes of Reflected Body Waves," *Geophysics*, Vol. 22, No. 4, 842-847, 5 fig., bib., Menasha, Oct., 1957.
- KOBAYASHI, N., OMOTE, S., and KOMAKI, S., "Earthquake Observations in Kawasaki and Turumi Areas and the Seismic Qualities of the Ground, Part II." See No. 10226 of this list.
10194. KOBAYASHI, N., and TAKEUCHI, H., "Wave Generations from Line Sources within the Ground," *Journal of Physics of the Earth*, Vol. 5, No. 1, 25-32, Tokyo, Oct., 1957.
- KOBAYASHI, N., and TAKEUCHI, H., "Wave Generations from Line Sources within the Ground." See No. 10278 of this list.
- KOMAKI, S., KOBAYASHI, N., and OMOTE, S., "Earthquake Observations in Kawasaki and Turumi Areas and the Seismic Qualities of the Ground, Part II." See No. 10226 of this list.

10195. KOMURA, S., "A Consideration about the Mechanism of the Occurrence of Severe Earthquakes," (in Japanese with English summary), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 9, No. 3, 174-181, Tokyo, Feb., 1957.
10196. KOMURA, S., "A Consideration about the Mechanism of Occurrence of Large Earthquakes II," (in Japanese with English abstract), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 10, No. 1, 1-5, Tokyo, Aug., 1957.
10197. KORTMANN, H. J., "Bemerkungen zur Methode der interierten Geschwindigkeiten," *Geofisica Pura e Applicata*, Vol. 35, 33-39, 5 fig., Milan, 1956.
10198. KUBOTERA, A., "Rayleigh and Sezawa Waves Generated by Explosions," *Journal of Physics of the Earth*, Vol. 5, No. 1, 33-42, Tokyo, May, 1957.
10199. LARSON, E. R., "Minor Features of the Fairview Fault Nevada," *Bulletin, Seismological Society of America*, Vol. 47, No. 4, 377-386, 10 fig., Berkeley, Oct., 1957.
10200. LEDOUX, Y., "Quelques exemples de diffractions en sismique-refraction et leur application à la détermination des vitesses verticales," *Geophysical Prospecting*, Vol. 5, No. 4, 392-406, 10 fig., bib., The Hague, Dec., 1957.
- LEDOUX, Y., and GROS, P., "Practical Methods of Interpretation in Seismic Refraction." See No. 10136 of this list.
- MAINO, C., RANUCCI, M., and CONTINI, C., "New Criteria for Interpreting Seismic Refraction Data." See No. 10104 of this list.
- MASATSUKA, A., EMURA, K., and HONDA, H., "On the Mechanism of Earthquakes and the Stresses Producing Them in Japan and Its Vicinity (Second Paper)." See No. 10158 of this list.
10201. MATSUSHIRO SEISMOLOGICAL OBSERVATORY, A booklet published as a progress report since the publication of "The Matsushiro Seismological Observatory," *Geophysical Magazine*, Vol. 26, No. 4, Tokyo, 1955.
10202. MEDER, H., "Reflected Refraction Waves on a Fault," (abstract), *Geophysics*, Vol. 22, No. 3, page 746, Menasha, July, 1957.
10203. MEDVEDEV, S. V., "Seismometre pour la détermination du degré des seisms," (in Russian), *Trudy Geofiz. Inst. SSSR*, No. 36, 127-133, 1956.
- An abstract appears in *Bul. Sign. CNRS*, Vol. 28, page 1208, 1957.
- Trans. A.G.U.
10204. MENZEL, Heinz, and ROSENBAACH, Otto, "Theoretische untersuchungen über den Einfluss der Verwitterungsschicht auf das Spektrum elastischer Wellen in der Reflexionsseismik," *Geophysical Prospecting*, Vol. 5, No. 3, 328-348, 5 fig., The Hague, 1957.
10205. MIKUMO, T., OTSUKA, M., and KAMITSUKI, A., "On the Nature of Local Earthquakes Observed in Wakayama District," (in Japanese with English abstract), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 9, No. 4, 218-228, Tokyo, March, 1957.

- MISENER, A. D., HODGSON, J. H., and WILSON, J. Tuzo, "Seismology and the Physics of the Earth's Interior." See No. 10155 of this list.
10206. MITRA, M., "Rayleigh Waves in a Multi-layered Medium with Applications to Microseisms," *Monthly Notices of the Royal Astronomical Society, Geophysical Supplement*, Vol. 7, No. 6, 324-331, 1 fig., 2 tab., bib., London, Nov., 1957.
10207. MIYAMURA, S., and TSUJIURA, M., "U.H.F. Multichannel Radio Telerecording Seismograph, Part I," (in Japanese), *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 2, 381-394, June, 1957.
- MORAN, D. F., and STEINBRUGGE, K. V., "An Engineering Study of the Eureka, California, Earthquake of December 21, 1954." See No. 10273 of this list.
- MORAN, D. F., and STEINBRUGGE, K. V., "Engineering Aspects of the Dixie Valley-Fairview Peak Earthquakes." See No. 10274 of this list.
10208. MORIMOTO, R. OSSAKA, J., and FUKUDA, T., "Geology of Imaichi District with Special Reference to the Earthquake of Dec. 26, 1949 III," *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 2, 359-376, Tokyo, June, 1957.
- MORISHITA, T., NAKAGAWA, K., KANAI, K., and TANAKA T., "Measurement of the Micro-tremor VI. (Ichinomiya City, Aichi Prefecture)." See No. 10176 of this list.
10209. MÜNCHEN, P. G., Die Bestimmung der elastischen Eigenschaften und der Mächtigkeit von Lockerböden mit Hilfe von speziellen Rayleigh-Wellen," *Gerlands Beiträge zur Geophysik*, Band 66, Heft 4, 274-312, 32 fig., bib., Leipzig, 1957.
10210. MURPHY, W. O., BERG, J. W., and COOK, K. L., "Seismic Velocity Study of Synthetic Cores," *Geophysics*, Vol. 22, No. 4, 813-820, 6 fig., bib., Menasha, Oct., 1957.
10211. NAFE, J. E., "Reflection and Transmission Coefficients at a Solid-Solid Interface of High Velocity Contrast," *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 205-220, 6 fig., bib., Berkeley, July, 1957.
10212. NAFE, J. E., and DRAKE, C. L., "Variation with Depth in Shallow and Deep Water Marine Sediments of Porosity, Density and the Velocities of Compressional and Shear Waves," *Geophysics*, Vol. 22, No. 3, 523-552, 20 fig., 2 pl. bib., Menasha, July, 1957.
10213. NAGAMUNE, T., " N_2 Waves in a Medium with Double Surface Layers," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 2, 5-12, Tokyo, Sept., 1956.
10214. NAGAMUNE, T., "On the Travel Time and the Dispersion of Surface Waves (III) Dispersion of Surface Waves and Structure of North and Central Pacific Basin," *Geophysical Magazine*, Vol. 28, No. 1, 1-8, 9 fig., bib., Tokyo, Aug., 1957.
- NAKAGAWA, K., KANAI, K., TANAKA, T., and MORISHITA, T., "Measurement of the Micro-tremor VI. (Ichinomiya City, Aichi Prefecture)." See No. 10176 of this list.
10215. NAKAMURA, K., "On Rayleigh Waves Propagated over the Surface of a Medium with Elastic Afterworking," *Science Reports of the Tohoku University, Fifth Series, Geophysics*, Vol. 9, No. 1, 36-44, Sendai, July, 1957.

- NASU, T., TANAKA, T., OSADA, K., and KANAI, K., "Measurement of the Micro-tremor IV, (Sakata and Tsuruoka)." See No. 10175 of this list.
- NEWMARK, N. M., GOODMAN, L. E., and ROSENBLUETH, E., "A Seismic Design of Firmly Founded Elastic Structures." See No. 10133 of this list.
10216. NISHITAKE, T., "On Some Properties of the Earth's Mantle, (in Japanese with English summary), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 9, No. 2, 65-75, Tokyo, Oct., 1956.
10217. NISHITAKE, T., "On Some Properties of the Earth's Mantle, Part 2. On Dunite Mantle," (in Japanese with English abstract), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 9 No. 3, 125-133, Tokyo, Feb., 1957.
10218. NISHITAKE, T., "On Some Properties of the Earth's Mantle Part 3. Polymorphic Transition of Crystal Lattices and Radioactivity of the Earth's Mantle," (in Japanese with English abstract), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 9, No. 3, 134-139, Tokyo, Feb., 1957.
10219. O'BRIEN, P. N. S., "The Variation with Distance of the Amplitude of Critically Refracted Waves," *Geophysical Prospecting*, Vol. 5, No. 3, 300-316, The Hague, Sept., 1957.
10220. O'BRIEN, P. N. S., "The Relationship between Seismic Amplitude and Weight of Charge," *Geophysical Prospecting*, Vol. 5, No. 3, 349-352, 1 fig., The Hague, Sept., 1957.
10221. O'BRIEN, P. N. S., "Multiply Reflected Refractions in a Shallow Layer," *Geophysical Prospecting*, Vol. 5, No. 4, 371-380, 4 tab., bib., The Hague, Dec., 1957.
- OFFICER, C. B., JOHNSON, H. R., EDWARDS, R. S., and EWING, J. I., "Geophysical Investigations in the Eastern Caribbean: Trinidad Shelf, Tobago Trough, Barbados Ridge, Atlantic Ocean." See No. 10124 of this list.
10222. OLCZAK, Tadeusz, "Seismology in Poland, 1954-1957," *Acta Geophysica Polonica*, 5, No. 2, 110-115, Warsaw, 1957.
10223. OLIVER, Jack, and EWING, Maurice, "Microseisms in the 11- to 18-Second Period Range," *Bulletin, Seismological Society of America*, Vol. 47, No. 2, 111-128, 14 fig., Berkeley, April, 1957.
10224. OLIVER, Jack, and EWING, Maurice, "Higher Modes of Continental Rayleigh Waves," *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 187-204, 9 fig., bib., Berkeley, July, 1957.
10225. OLIVER, Jack, and EWING, Maurice, "The Second Mode of Continental Love Waves," (abstract), *Earthquake Notes*, Vol. 28, No. 2-3, page 15, Washington, June-Sept., 1957.
10226. OMOTE, S., KOMAKI, S., and KOBAYASHI, N., "Earthquake Observations in Kawasaki and Turumi Areas and the Seismic Qualities of the Ground, Part II," *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 2, 613-620, Tokyo, Sept., 1957.
10227. Ooba, S., "Study of the Relation between the Subsoil Conditions and the Distribution of the Damage Percentage of Wooden Dwelling Houses in the Province of Totomi in the Case of the Tonankai Earthquake of December 7th, 1944." (in Japanese with English summary), *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 1, 201-295, Tokyo, March, 1957.

10228. OOGOMORI, N., "Investigation on the Hyuganada Earthquakes, (in Japanese), *Quarterly Journal of Seismology*, Vol. 21, No. 3, 51-55, Tokyo, Dec., 1956.
10229. OPITZ, D., "Eine Methode zur Ermittlung der mittleren Geschwindigkeit elastischer Wellen in der Reflexionsseismik," *Gerlands Beiträge zur Geophysik*, Band 66, Heft 3, 205-213, 3 fig., Leipzig, 1957.
- OSADA, K., KANAI, K., KAWASUMI, H., and TANAKA, T., "Measurement of the Micro-tremor V., (Osaka City) See No. 10174 of this list.
- OSADA, K., KANAI, K., NASU, T., and TANAKA, T., "Measurement of the Micro-tremor IV, (Sakata and Tsuruoka)." See No. 10175 of this list.
- OSADA, K., KANAI, K., and TANAKA, T., "Measurement of the Micro-tremor II (Tokyo Metropolis)." See No. 10177 of this list.
- OSADA, K., KANAI, K., and TANAKA, T., "Measurement of the Micro-tremor III, (Yokohama City)." See No. 10178 of this list.
- OSADA, K., KANAI, K., and TANAKA, T., "Measurement of the Micro-tremor VII. (Kawasaki City)." See No. 10179 of this list.
- OSSAKA, J., FUKUDA, T., and MORIMOTO, R., "Geology of Imaichi District with Special Reference to the Earthquake of Dec. 26, 1949 III." See No. 10208 of this list.
- OTSUKA, M., KAMITSUKI, A., and MIKUMO, T., "On the Nature of Local Earthquakes Observed in Wakayama District." See No. 10205 of this list.
10230. OZAWA, IZUO, "Study on Elastic Strain of the Ground in Earth Tides," *Disaster Prevention Research Institute of Kyoto Bulletin*, No. 15, 34 pages, 4 fig., bib., Kyoto, March, 1957.
10231. OZAWA, IZUO, "Observations of Tidal Strains of the Earth," *Journal of Physics of the Earth*, Vol. 5, No. 1, 9-14, Tokyo, May, 1957.
10232. PEC, Karel, "Les ondes du type de Rayleigh dans une couche interne," *Geofizikalni Sbornik*, Paper No. 46, 383-395, bib., Prague, 1956.
10233. PERONACI, F., "Studio microsismico del terremoto di Jenice del 18 marzo 1953," *Annali di Geofisica*, Vol. 9, No. 4, 549-560, Rome, 1956.
10234. POMMIER, G., and RICHARD, H., "Supermultiplication des charges et des sismographes aux Sahara (Zone nord)," *Geophysical Prospecting*, Vol. 5, No. 3, 282-299, 13 fig., The Hague, Sept., 1957.
- PORTER, L. D., KNOPOFF, L., FREDRICKS, R. W., and GANGI, A. F., "Surface Amplitudes of Reflected Body Waves." See No. 10193 of this list.
10235. POSGAY, K., "Seismic Survey in the Coal-basin of Esytergom, 1955," (abstract only in English), *Geofizikai Közlemények*, Vol. 5, No. 4, 39-48, Budapest, 1956.
10236. POSGAY, K., and ANNAU, E., "Diffraction of seismic Waves," (abstract only in English), *Geofizikai Közlemények*, Vol. 5, No. 1, 46-52, Budapest, 1956.

- POSGAY, K., and ANNAU, E., "Agitation of the Soil." See No. 10077 of this list.
10237. PRESS, Frank, "Determination of Crustal Structure from Phase Velocity of Rayleigh Waves, Part II: San Francisco Bay Region," *Bulletin, Seismological Society of America*, Vol. 47, No. 2, 87-88, 1 fig., Berkeley, April, 1957.
- PRESS, Frank, EWING, Maurice, and JARDETZKY, W. S., "Elastic Waves in Layered Media." See No. 10123 of this list.
10238. PRESS, Frank and HEALY, John, "Absorption of Rayleigh Waves in Low-loss Media," *Journal of Applied Physics*, Vol. 28, No. 11, 1323-1325, Nov., 1957.
10239. PUCHKOV, S. V., "Sur la limite des séismes dans le cas de roches massives," (in Russian), *Izvest. Akad. Nauk SSSR, Ser. Geofiz.*, No. 8, 920-926, 1956.
An abstract appears in *Bul. Sig. CNRS.*, Part 1, Vol. 18, page 2928, 1957.
Trans. A.G.U.
10240. RAMIREZ, J. E., S. J., "Bibliografía de la Biblioteca del Instituto Geofísico de los Andes Colombianos sobre Geología y Geofísica de Colombia," *Instituto Geofísico de los Andes Colombianos, Serie C-Geología*, Boletín No. 6, 521 pages, Bobota, 1957.
10241. RAMIREZ, J. E., S. J., "El mapa sísmico y tectónico de Colombia," *Instituto Geofísico de los Andes Colombianos Serie "A" Sismología*, (Second Series) Publication No. 13, 2 pages, 1 map, Bogota, 1957.
- RANUCCI, M., CONTINI, C., and MAINO, C., "New Criteria for Interpreting Seismic Refraction Data." See No. 10104 of this list.
10242. REIL, O. E., "Damage to Nevada Highways," (from Nevada earthquake of December 16, 1954), *Bulletin, Seismological Society of America*, Vol. 47, No. 4, 349-352, 5 fig., Berkeley, Oct., 1957.
- RICHARD, H., POMMIER, G., "Supermultiplication des charges et des sismographes aux Sahara (Zone nord)." See No. 10234 of this list.
10243. RITSEMA, A. R., "Pacific and 'Mediterranean' Earthquake Mechanisms," *Transactions, American Geophysical Union*, Vol. 38, No. 3, 349-353, 2 fig., 2 tab., bib., Washington, June, 1957.
10244. RITSEMA, A. R., "Earthquake-Generating Stress Systems in Southeast Asia," *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 267-280, 5 fig., Berkeley, July, 1957.
- RIZNICENKO, Ju. V., BERSON, I. S., and GAMBURTCEV, G. A., "Die Korrelationsmethode gebrochener Wellen." See No. 10128 of this list.
10245. ROBERTS, E. B., "Magnitude and Intensity Scales," *Bulletin, Seismological Society of America*, Vol. 47, No. 1, 13-14, Berkeley, Jan., 1957.
10246. ROBINSON, E. A. "Predictive Decomposition of Seismic Traces," *Geophysics*, Vol. 22, No. 4, 767-778, 1 fig., bib., Menasha, Oct., 1957.
10247. ROBINSON, R. O. A., "The Fracture Zones of Orogenesis," *Canadian Journal of Physics*, Vol. 35, 536-554, 9 fig., bib., Ottawa, 1957.

10248. ROMAGNA MANOJA, A., "Distribution of Seismic Energy in Stratified Media," (abstract), *Geophysics*, Vol. 22, No. 3, page 746, Menasha, July, 1957.
10249. ROMNEY, Carl, "Seismic Waves from the Dixie Valley-Farfield Peak Earthquakes," *Bulletin, Seismological Society of America*, Vol. 47, No. 4, 301-320, 4 fig., bib., Berkeley, Oct., 1957.
- ROSENBAACH, Otto, and MENZEL, Heinz, "Theoretische untersuchungen über den Einfluss der Verwitterungsschicht auf das Spektrum elastischer Wellen in der Reflexionsseismik." See No. 10204 of this list.
- ROSENBLUETH, E., NEWMARK, N. M., and GOODMAN, L. E., "A Seismic Design of Firmly Founded Elastic Structures." See No. 10133 of this list.
10250. RÖTHLIS BERGER, H., "Zur seismischen und petrographischen Charakterisierung einiger Molassege-steine, einschliesslich der Beschreibung von Methoden der Korngrössenbestimmung in Festmaterial," *Beitr. Geol. Schweiz., Geophysik*, No. 1, 91 pages, Bern, 1957.
10251. RUPRECHTOVA, Libuse, "The 20° Discontinuity and the Traveltime Curves of P and S for Praha in the Range 10°-30°," *Geofysikalni Sbornik*, Paper No. 48, 523-539, 2 fig., bib., Prague, 1956.
10252. SATO, H., "On the Tilting of Land Observed by Water-Tube Tiltmeter at Shionomisaki, Kii Peninsula," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 22, No. 2, 13-26, Tokyo, Sept., 1957.
10253. SATO, Y., "Nomographs for the Phase-and Group-Velocity of Love-Waves," *Journal of Physics of the Earth*, Vol. 4, No. 2, 41-42, Tokyo, Sept., 1956.
10254. SATO, Y., "Study on Surface Waves XIII. Nomograph for the Phase Velocity of Love-Waves in Doubly Stratified Medium," *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 1, 1-6, Tokyo, March, 1957.
10255. SATO, Y., and YAMAGUCHI, R., "Vibration of Buildings on the Ground," (in Japanese with English summary), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 9, No. 3, 156-173, Tokyo, Feb., 1957.
10256. SATO, Y., and YAMAGUCHI, R., "Vibration of Building upon the Elastic Foundation," *Bulletin, Earthquake Research Institute, Tokyo University*, Vol. 35, Part 2, 545-566, Tokyo, Sept., 1957.
10257. SAUER, Walther, "Los terremotos de la provincia de Imbabura," *Boletin de Informaciones cientificas Nacionales casa de la cultura Ecuatoriana*, No. 71, Vol. 8, 159-169, 3 fig., Quito, Aug.-Sept., 1955.
10258. SCHEIDEGGER, A. E., "The Geometrical Representation of Fault-Plane Solutions of Earthquakes," *Bulletin, Seismological Society of America*, Vol. 47, No. 2, 89-110, 17 fig., bib., Berkeley, April, 1957.
10259. SCHEIDEGGER, A. E., "Distribution of Seismic Faulting in the World," *Geofisica Pura e Applicata*, Vol. 38, 1-9, 1 fig., 3 tab., bib., Milan, 1957.

- SCHEIDEGGER, A. E., and WILLMORE, P. L., "Seismic Observations in the Gulf of St. Lawrence." See No. 10304 of this list.
- SCHWARTZ, J. B., and DINGER, J. E., "Correlation of Ocean Wave and Microseism Power Spectra." See No. 10109 of this list.
10260. SCIENCE NEWS LETTER, Articles of interest to seismologists have appeared in various issues of Vol. 72, of this periodical (Washington 1957), as follows:
 "Study Earth's Inner Core," No. 3, page 35, July 20.
 "Test Method for Predicting Earthquakes," No. 4, page 56, July 27.
 "Earthquakes Show Ocean Floor Differences," No. 17, page 265, Oct. 26.
 "H-Bomb Tests Help Seismologists," No. 21, page 325, Nov., 23.
10261. SENDAI DISTRICT CENTRAL METEOROLOGICAL OBSERVATORY, "The Yoneshiro Lower Region Earthquake of October 19, 1955," (in Japanese), *Quarterly Journal of Seismology*, Vol. 21, No. 1, 27-41, Tokyo, June, 1956.
10262. SENDAI, DISTRICT METEOROLOGICAL OBSERVATORY, "Landslide of Tomasiwa-Kongozawa of July, 1956, in the Vicinity of Sendai City," (in Japanese), *Quarterly Journal of Seismology*, Vol. 22, No. 2, 43-48, Tokyo, Sept., 1957.
10263. SHEPARD, F. P., "Northward Continuation of the San Andreas Fault," *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 263-266, 2 fig., Berkeley, July, 1957.
10264. SHIMA, Michiyasu, "On the Variation in Bulk Modulus/Density in the Mantle," *Journal of Physics of the Earth*, Vol. 4, No. 1, 7-10, 2 fig., Tokyo, 1956.
10265. SHIMA, Michiyasu, "Temperature Distribution Within the Mantle," *Journal of Physics of the Earth*, Vol. 4, No. 2, 49-51, 1 fig., Tokyo, 1956.
10266. SHIMIZU, Y., "Smoking Chamber for Seismographic Recording Paper," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 4, 15-18, Tokyo, March, 1957.
10267. SHIMOZURU, D., "Elasticity of Materials near the Melting Point, with Special Reference to Bullen's Region "D", *Journal of Physics of the Earth*, Vol. 5, No. 1, 61-67, Tokyo, May, 1957.
10268. SHURBET, D. H., and EWING, Maurice, "T Phases at Bermuda and Transformation of Elastic Waves," *Bulletin, Seismological Society of America*, Vol. 47, No. 3, 251-262, 5 fig., 2 tab., Berkeley, July, 1957.
10269. SIMON, B., "Fifty Years of Hungarian Seismological Investigations," (abstract only in English), *Geofizikai Közlemények*, Vol. 6, No. 1-2, 69-72, Budapest, 1957.
10270. SKURIDIN, G. A., "Sur les discontinuités des solutions des équations dynamiques de la théorie de l'élasticité," (in Russian), *Izvest. Akad. Nauk SSSR, Ser. Geofiz.*, No. 6, 625-633, 1956.

An abstract appears in *Bul. Sig. CNRS*, Part 1, Vol. 18, page 2928, 1957.

Trans. A.G.U.

10271. SLEMMONS, D. B., "Geological Effects of the Dixie Valley-Fairview Peak, Nevada Earthquake of December 16, 1954," *Bulletin, Seismological Society of America*, Vol. 47, No. 4, 353-376, 21 fig., 2 tab., Berkeley, Oct. 1957.
10272. ST. AMAND, Pierre, "Geological and Geophysical Synthesis of the Tectonics of Portions of British Columbia, the Yukon Territory, and Alaska," *Bulletin, Geological Society of America*, Vol. 68, No. 10, 1343-1370, 11 fig., 1 pl., New York, Oct., 1957.
- STEGENA, L., and GALFI, J., "Deep Reflections in the Region of Hajduszoboszlo." See No. 10126 of this list.
- STEGENA, L., and GALFI, J., "Some Data Obtained with Seismic Reflection Measurements Concerning the Hungarian Part of the Earth's Crust," See No. 10127 of this list.
10273. STEINBRUGGE, K. V., and MORAN, D. F., "An Engineering Study of the Eurka, California, Earthquake of December 21, 1954," *Bulletin, Seismological Society of America*, Vol. 47, No. 2, 129-154, 29 fig., Berkeley, April, 1957.
10274. STEINBRUGGE, K. V., and MORAN, D. F., "Engineering Aspects of the Dixie Valley-Fairview Peak Earthquakes," *Bulletin, Seismological Society of America*, Vol. 47, No. 4, 335-348, 14 fig., Berkeley, Oct., 1957.
10275. STONELEY, Robert, "The Transmission of Rayleigh Waves Across an Ocean Floor with Two Surface Layers, Part I: Theoretical," *Bulletin, Seismological Society of America*, Vol. 47, No. 1, 7-12, Berkeley, Jan., 1957.
10276. SUZUKI, Ziro, "On Travel-time Analysis," (in Japanese), *Zisin, Journal of the Seismological Society of Japan*, Vol. 9, No. 2, 81-120, 298 references listed, Tokyo, Oct., 1956.
- TAKAGI, A., and KATO, Y., "Seismic Model Studies, Part 3. On the Initial Motion of Dilatational and Distortional Waves Produced by Various Types of Forces." See No. 10184 of this list.
10277. TAKAHASHI, T., "The Dispersion of Rayleigh Waves in Heterogeneous Media," *Bulletin, Earthquake Institute, Tokyo University*, Vol. 35, Part 2, 297-308, Tokyo, June, 1957.
10278. TAKEUCHI, H., and KOBAYASHI, N., "Wave Generations from Line Sources Within the Ground," *Journal of Physics of the Earth*, Vol. 3, No. 1, 7-16, Tokyo, Sept., 1955.
- TAKEUCHI, H., and KOBAYASHI, N., "Wave Generations from Line Sources within the Ground." See No. 10194 of this list.
- TANAKA, T., MORISHITA, T., NAKAGAWA, K., and KANAI, K., "Measurement of the Micro-tremor VI. (Ichinomiya City, Aichi Prefecture)." See No. 10176 of this list.
- TANAKA, T., OSADA, K., and KANAI, K., "Measurement of the Micro-tremor II (Tokyo Metropolis)." See No. 10177 of this list.
- TANAKA, T., OSADA, K., and KANAI, K., "Measurement of the Micro-tremor III, (Yokohama City)." See No. 10178 of this list.
- TANAKA, T., OSADA, K., and KANAI, K., "Measurement of the Micro-tremor VII. (Kawasaki City)." See No. 10179 of this list.

- TANAKA, T., OSAKA, K., KANAI, K., and KAWASUMI, H., "Measurement of the Micro-tremor V. (Osaka City)." See No. 10174 of this list.
- TANAKA, T., OSADA, K., KANAI, K., and NASU, T., "Measurement of the Micro-tremor IV, (Sakata and Tsuruoka)." See No. 10175 of this list.
10279. TAZIME, K., "Wave Groups Generated by a Very Small Explosion," *Journal of Physics of the Earth*, Vol. 4, No. 3, 113-126, Tokyo, Oct., 1956.
10280. TAZIME, K., "Minimum Group Velocity, Maximum Amplitude and Quarter Wavelength Law. Love-waves in Doubly Stratified Layers," *Journal of Physics of the Earth*, Vol. 5, No. 1, 43-50, Tokyo, May, 1957.
10281. TAZIME, K., "Relation between Charge Amounts and Periods in Resulting Seismic Wave Groups," *Journal of Physics of the Earth*, Vol. 5, No. 1, 51-60, Tokyo, May, 1957.
10282. TEISSEYRE, Roman, "Ideal Seismic Wave Guides," *Acta Geophysica Polonica*, Vol. 5, No. 2, 95-102, 7 fig., bib., Warsaw, 1957.
10283. TOBYAS, Vladimir, "Seismic Equipment for the Investigation of Microtremors," *Studia Geophysica est Geodaetica*, Vol. 1, 101-105, Prague, 1957.
10284. TOCHER, Don, "The Dixie Valley-Fairview Peak Earthquakes of December 16, 1954: Introduction," *Bulletin, Seismological Society of America*, Vol. 47, No. 4, 299-300, Berkeley, Oct., 1957.
10285. TOKAREV, V. A., "The Seismicity of the Arctic," (in Russian), *Dok. Akad. Nauk*, Vol. 106, 904-906, 1956.
A translation into English by E. R. Hope, appears as *Defence Sci. Inf. Service, Defence Res. Bd. Publications*, T242R, 3 pages, Ottawa, 1957. Trans. A.G.U.
10286. TOKUSHIMA WEATHER STATION, "Of the Earthquake of the Southern Part of Tokushima Prefecture, July 27, 1955," (in Japanese), *Quarterly Journal of Seismology*, Vol. 21, No. 1, 21-27, Tokyo, June, 1957.
10287. TOMODA, Yoshibumi, "A Simple Method for Calculating the Correlation Coefficients," *Journal of Physics of the Earth*, Vol. 4, No. 2, 67-70, 4 fig., Tokyo, 1956.
10288. TSUBOI, C., "Earthquake Energy, Earthquake Volume, Aftershock Area, and Strength of the Earth's Crust," *Journal of Physics of the Earth*, Vol. 4, No. 2, 63-66, Tokyo, Sept., 1956.
10289. TSUBOI, C., "Earthquake Energy, Earthquake Volume, Aftershock Area and Strength of the Earth's Crust," (in Japanese with English summary), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 9, No. 2, 76-80, Tokyo, Oct., 1956.
10290. TSUBOI, C., "Energy Accounts of Earthquakes in and near Japan," *Journal of Physics of the Earth*, Vol. 5, No. 1, 1-8, Tokyo, May, 1957.
10291. TSUBOI, C., "On the Magnitudes of Earthquakes," (in Japanese with English summary), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 10, No. 1, 6-23, Tokyo, Aug., 1957.

10292. TSUCHIDAKA, S., "On the Earthquakes in Western Japan (1) (Vertical Distribution of Earthquake Foci)," (in Japanese with English Summary), *Quarterly Journal of Seismology*, Vol. 21, 2, 37-40, Tokyo, Sept., 1956.
- TSUJURA, M., and MIYAMURA, S., "U.H.F. Multichannel Radio Telerecording Seismograph, Part I." See No. 10207 of this list.
10293. USAMI, T., "Seismometrical Study of Boso-Oki Earthquake of Nov. 26, 1953," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 3, 1-14, Tokyo, Dec., 1956.
10294. USAMI, T., "Effects of the Shape of Earthquake Origin upon the Displacement Distribution of the Initial Motion," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 4, 1-6, Tokyo, March, 1957.
10295. USAMI, T., and HIRONO T., "Elastic Waves Generated from a Spheroidal Cavity Whose Wall is Subjected to Normal Stress of Harmonic Type," *Papers in Meteorology and Geophysics*, Vol. 7, No. 3, 288-321, bib., Tokyo, Oct., 1956.
10296. UTSU, T., "On Deflection of the Direction of Initial Motion of *P* Wave," (Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 1, 13-20, Tokyo, June, 1956.
10297. UTSU, T., "On some Remarkable Phases on Seismograms of Near Earthquakes (Part 2)," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 3, 15-20, Tokyo, Dec., 1956.
10298. UTSU, T., "Response Curves of Electromagnetic Seismograph (1)," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 22, No. 4, 5-18, Tokyo, July, 1957.
10299. UTSU, T., "Magnitude of Earthquakes and Occurrence of Their Aftershocks," (in Japanese), *Zisin, Journal of the Seismological Society of Japan, Second Series*, Vol. 10, No. 1, 35-54, Tokyo, Aug., 1957.
- VANEK, J., and KARNIK, V., "On the Investigation of Tectonic Microtremors in the Komarno Basin." See No. 10182 of this list.
- VAN NIEKERK, C. B., and GOUGH, D. I., "Seismic Investigations in Southwest African River Beds," See No. 10134 of this list.
10300. VELDKAMP, J., "Mechanism of Shallow and Intermediate Earthquakes in Sumatra," *K. Nederland Geol.-Mijn. Genoot, Geol. Ser. 18*, (Vening Meinesz volume), 295-303, 1957.
- VOGEL, A., and BÄTH, M., "Continental Dispersion of Seismic Surface Waves," See No. 10084 of this list.
10301. WELIN, E., "Seismic Refraction Survey of a Hydroelectric Plant Site in Northern Sweden," (abstract), *Geophysics*, Vol. 22, No. 3, page 749, Menasha, July, 1957.
10302. WHITTEN, C. A. "Geodetic Measurements in the Dixie Valley Area," *Bulletin, Seismological Society of America*, Vol. 47, No. 4, 321-326, 2 fig., Berkeley, Oct., 1957.

10303. WIELADEK, R., and WOJTCZAK, B., "Application of the Generalized Adjustment Method in the Determination of Coordinates of the Seismic Focus on the Basis of Several Different Phases," *Acta Geophys. Polon.* Vol. 5, No. 1, 3-10, 1957. Trans. A.G.U.
10304. WILLMORE, P. L., and SCHEIDEGGER, A. E., "Seismic Observations in the Gulf of St. Lawrence," *Transactions of the Royal Society of Canada*, Vol. 50, Series III (Canadian Committee on Oceanography and Sect. IV), 21-38, 6 fig., 3 tab., bib., Ottawa, 1956.
- WILSON, J. TUZO, MISENER, A. D., and HODGSON, J. H., "Seismology and the Physics of the Earth's Interior," See No. 10155 of this list.
- WOJTCZAK, B., and WIELADEK, R., "Application of the Generalized Adjustment Method in the Determination of Coordinates of the Seismic Focus on the Basis of Several Different Phases." See No. 10303 of this list.
- YAMAGUCHI, R., and SATO, Y., "Vibration of Buildings on the Ground." See No. 10255 of this list.
- YAMAGUCHI, R., and SATO, Y., "Vibration of Building upon the Elastic Foundation," See No. 10256 of this list.
10305. YAMAKAWA, N., "Investigation of the Disturbance Produced by Spherical Obstacles on the Elastic Waves (I)," (Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 1, 1-12, Tokyo, June, 1956.
10306. YAMAKAWA, N., "Investigation of the Disturbance Produced by Spherical Obstacles on Elastic Waves (II)," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 21, No. 2, 1-4, Tokyo, Sept., 1956.
10307. YAMAKAWA, N., "Investigation of the Disturbance by Spherical Obstacles on the Elastic Waves (III)," (in Japanese with English summary), *Quarterly Journal of Seismology*, Vol. 22, No. 1, 1-4, Tokyo, July, 1957.
10308. YOSHIMURA, J., "Earthquake Swarms in the Vicinity of Chijiwa Bay," (in Japanese), *Quarterly Journal of Seismology*, Vol. 21, No. 3, 47-50, Tokyo, Dec., 1956.
10309. ZONES, C. P., "Changes in Hydrologic Conditions in the Dixie Valley and Fairview Valley Areas, Nevada After the Earthquake of December 16, 1954," *Bulletin, Seismological Society of America*, Vol. 47, No. 4, 387-396, 4 fig., 2 tab., Berkeley, Oct., 1957.

LIST OF COLLABORATORS

The initials appended to various items throughout the *Bibliography* indicate, in each case, the contribution by the respective collaborator.

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