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Brown and Ewing

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BIBLIOGRAPHY - RICHARD H. JAHNS

- Pre-Cambrian rocks of central Colorado; Their correlation by means of heavy mineral analyses: Illinois State Acad. of Sci., Trans., vol. 30, pp. 235-236, 1937.
- Analcite-bearing intrusives from South Park, Colorado: Amer. Jour. Sci., 5th ser., vol. 36, pp. 8-26, 1938.
- Clerici solution for the specific gravity determination of small mineral grains: Amer. Mineral., vol. 24, pp. 116-122, 1939.
- Miocene stratigraphy of the easternmost Ventura Basin: a preliminary statement: Amer. Jour. Sci., vol. 327, pp. 818-825, 1939.
- Stratigraphy of the easternmost Ventura Basin, California, with a description of a new Lower Miocene mammalian fauna from the Tick Canyon formation: Carnegie Inst. Wash., Publ. No. 514, pp. 145-194, 1940.
- (with L. W. Currier) Ordovician stratigraphy of central Vermont: Geol. Soc. Amer., Bull., vol. 52, pp. 1487-1512, 1941.
- (with M. E. Willard) Late Pleistocene and Recent deposits in the Connecticut Valley, Massachusetts: Amer. Jour. Sci., vol. 240, pp. 161-191, 265-287, 1942.
- Origin of the Ayer granodiorite in the Lowell area, Massachusetts: Amer. Geophys. Union, Trans., 1942 Meetings, pp. 341-342, 1942.
- Occurrence of andalusite in Massachusetts: Comm. of Massachusetts - U. S. Geol. Survey, Coop. Geol. Project, Inf. Circ, 1, 8 pp., 1942.
- Sheet structure in granites: Its origin and use as a measure of glacial erosion in New England: Jour. Geol., vol. 51, pp. 71-98, 1943.
- "Ribbon rock," an unusual beryllium-bearing tactite: Econ. Geol., vol. 39, pp. 173-205, 1944.
- (with J. J. Glass and R. E. Stevens) Helvite and danalite from New Mexico and the helvite group: Amer. Mineral., vol. 29, pp. 163-191, 1944.
- Beryllium and tungsten deposits of the Iron Mountain district, Sierra and Socorro Counties, New Mexico: U. S. Geol. Survey, Bull. 945-C, pp. 45-79, 1944.
- Mica deposits of the Petaca district, Rio Arriba County, New Mexico, with brief descriptions of the Ojo Caliente district, Rio Arriba County, and the Elk Mountain district, San Miguel County: New Mexico School of Mines, State Bur. of Mines and Min. Res., Bull. 25, 294 pp., 1946

- Geologic features of the Connecticut Valley, Massachusetts, as related to recent floods: U. S. Geol. Survey, Water-Supply Paper 996, 158 pp., 1947.
- Some effects of World War II on pegmatite minerals and mining: Amer. Inst. Min. and Met. Eng., 17 pp., 1946 (preprint).
- (with J. L. Gillson) Report of Committee on Basic Research in the Field of Industrial Minerals and Rocks: Econ. Geol., vol. 42, pp. 737-746, 1947.
- Review of Notes on optical mineralogy, by George Tunell: Amer. Mineral., vol. 32, pp. 697-698, 1947.
- The gem deposits of Southern California: Eng. and Sci. Monthly, vol. 11, pp. 6-9, 1948.
- Milling improves northern New Mexico scrap mica outlook: Eng. and Min. Jour., vol. 149, pp. 96-100, 1948.
- Discussion on origin of granite, in Gilluly, James (Editor), Origin of granite, Geol. Soc. Amer., Memoir 28, pp. 91-96, 1948.
- Pegmatite resources in the Southwest: Amer. Inst. of Min. and Met. Eng., 14 pp., 1948 (preprint).
- Desert floods: Eng. and Sci. Monthly, vol. 12, pp. 10-15, 1949.
- (with E. N. Cameron, A. H. McNair, and L. R. Page) Internal Structure of granitic pegmatites: Econ. Geol., Mon. 2, 115 pp., 1949.
- (with F. W. Lancaster) Physical characteristics of commercial sheet muscovite in the Southeastern United States: U. S. Geol. Survey, Prof. Paper 225, 110 pp., 1950.
- (with W. S. White) Structure of central and east-central Vermont: Jour. Geol., vol. 58, pp. 179-220, 1950.
- (with J. F. Lance) Geology of the San Dieguito pyrophyllite area, San Diego County, California: California Div. of Mines, Special Rept. 4, 32 pp., 1950.
- (with others) Society of Economic Geologists, General Research Committee, Annual Report: Econ. Geol., vol. 45, pp. 267-270, 1950.
- Review of Mica deposits in Minas Gerais, Brazil, by W. T. Pecora et al., Pegmatite investigations in Colorado, Wyoming, and Utah, 1942-1944, by J. B. Hanley, E.W. Heinrich, and L. R. Page, and Mica and beryl pegmatites in Idaho and Montana, by W.C. Stoll: Econ. Geol., vol. 46, pp. 783-785, 1951.
- The Epsom Salts Line -- monorail to nowhere: Eng. and Sci. Monthly, vol. 14, pp. 18-21, April, 1951.

- Review of Guidebook of the San Juan Basin, New Mexico and Colorado, edited by V. C. Kelley: Econ. Geol., vol. 46, pp. 343-343, 1951.
- Geology, mining, and uses of strategic pegmatites: Amer. Inst. Min. and Met. Eng., Trans., vol. 190, pp. 45-59, 1951.
- Surficial geology of the Mt. Toby quadrangle, Massachusetts: U. S. Geol. Survey, Geol. Quad. Maps of the U.S., Map GQ 9, 1951.
- (with L. A. Wright) Gem- and lithium-bearing pegmatites of the Pala district, San Diego County, California: California Div. of Mines, Special Rept. 7-A, 72 pp., 1951.
- Pegmatite deposits of the White Picacho district, Maricopa and Yavapai Counties, Arizona: Univ. of Arizona, Bur. of Mines, Bull. No. 162, 105 pp., 1952.
- (with L. W. Currier) Geology of the "Chelmsford granite" area: Geol. Soc. Amer., 65th Ann. Meeting, Guidebook for field trips in New England, pp. 103-117, 1952.
- (with W. R. Giffitts and E. W. Heinrich) Mica deposits of the Southeastern Piedmont. Part 1, General features: U. S. Geological Survey, Prof. Paper 248-A, pp. 1-102, 1952.
- (with R. W. Lemke and W.R. Giffitts) Mica deposits of the Southeastern Piedmont. Part 2. Amelia district, Virginia: U.S. Geol. Survey, Prof. Paper 248-B, pp. 103-139, 1952.
- Review of Geography in the Twentieth Century, edited by Griffith Taylor, Philosophical Library, New York: Jour. Geol., vol. 60, pp. 594-595, 1952.
- Surficial geology of the Ayer quadrangle, Massachusetts: U.S. Geol. Survey, Geol. Quad Maps of the U.S., Map GQ 22, 1953.
- (with W.R. Giffitts and R.W. Lemke) Mica deposits of the Southeastern Piedmont. Part 3. Ridgeway-Sandy Ridge district, Virginia and North Carolina: U.S. Geol. Survey, Prof. Paper 248-C, pp. 141-170, 1953.
- (with W.R. Giffitts) Mica deposits of the Southeastern Piedmont. Part 4. Outlying deposits in Virginia: U.S. Geol. Survey, Prof. Paper 248-C, pp. 171-202, 1953.
- (with E.W. Heinrich and M.R. Klepper) Mica deposits of the Southeastern Piedmont, Part 9. Thomaston-Barnesville district, Georgia: U. S. Geol. Survey, Prof. Paper 248-F, pp. 327-376, 1953.
- (with E.W. Heinrich) Mica deposits of the Southeastern Piedmont, Part 10. Outlying deposits in Georgia: U. S. Geol. Survey, Prof. Paper 248-F, pp. 377-400, 1953.
- Review of Optical crystallography, 2nd ed., by E. E. Wahlstrom: Amer. Jour. Sci., vol. 251, pp. 762-764, 1953.

- The genesis of pegmatites. I. Occurrence and origin of giant crystals:
Amer. Mineral., vol. 38, pp. 563-598, 1953.
- The genesis of pegmatites. II. Quantitative analysis of lithium-bearing
pegmatite from Mora County, New Mexico: Amer. Mineral., vol. 38, pp.
1078-1112, 1953.
- Investigations and problems of southern California geology: California
Div. Mines, Bull. 170, Chapt. I, pp. 5-29, 1954.
- Geology of the Peninsular Range province, southern California and Baja
California: California Div. Mines, Bull. 170, Chapt. II, pp. 29-52,
1954.
- (with T. L. Bailey) Geology of the Transverse Range province, southern
California: California Div. Mines, Bull. 170, Chapt. II, pp. 83-106,
1954.
- (with J. W. Durham and D. E. Savage) Marine-nonmarine relationships in
the Cenozoic section of California: California Div. Mines, Bull. 170,
Chapt. III, pp. 59-71, 1954.
- Pegmatites of southern California: California Div. Mines, Bull. 170,
Chapt. VII, 37-50, 1954.
- (with W. R. Muehlberger) Geology of the Soledad basin, Los Angeles
County: California Div. Mines, Bull. 170, Map Sheet No. 6, 1954.
- Geologic guide for the northern part of the Peninsular Range province,
southern California: California Div. Mines, Bull. 170, Geol. Guide
No. 5, 59 pp., 1954.
- The purchase of a gem stone -- or what to do until the appraiser arrives:
Eng. and Sci. Monthly, vol. 18, pp. 14-21, 1955.
- Road log in Sierra Cuchillo and neighboring areas: New Mexico Geol.
Soc., Sixth Field Conf., Guidebook of south-central New Mexico, pp.
24-26, 1955.
- (with F.E. Kottowski and F.J. Kuellmer) Volcanic rocks of south-
central New Mexico: New Mexico Geol. Soc., Sixth Field Conf., Guide-
book of south-central New Mexico, pp. 92-95, 1955.
- Geology of the Sierra Cuchillo, New Mexico: New Mexico Geol. Soc.,
Sixth Field Conf., Guidebook of south-central New Mexico, pp. 158-
174, 1955.
- Possibilities for discovery of additional lead-silver ore in the Palomas
Camp area of the Palomas (Hermosa) mining district, Sierra County,
New Mexico: New Mexico Inst. of Min. and Tech., State Bur. Mines and
Min. Res., Circular 33, 14 pp., 1955.
- The study of pegmatites: Econ. Geol., Fiftieth Anniversary Volume,
pp. 1025-1130, 1955.

- The Pelican area, Palomas (Hermosa) district, Sierra County, New Mexico: New Mexico Inst. of Min. and Tech., State Bur. Mines and Min. Res., Bull. 55 (Prelim. Map Issue), 5 pp. with map, 1957.
- The geologic framework of southern California, in A guide to the geology and oil fields of the Los Angeles and Ventura regions, pp. 1-15, Amer. Assoc. Petrol. Geol., Pacific Section, Los Angeles, California, 1958.
- Residential ills in the Heartbreak Hills of Southern California: Eng. and Sci. Monthly, vol. 22, pp. 13-20, 1958; reprinted in Building Contractor of California, vol. 23, no. 1, pp. 29-36, 1959.
- Formation of minerals: Gems and Gemology, Spring 1958, Summer 1958, Winter 1958-59, Spring 1959, Summer 1959, Fall, 1959, 45 pp., Gemological Inst. of Amer., Los Angeles, California, 1958-59.
- Collapse depressions of the Pinacate volcanic field, Sonora, Mexico, in Heindl, L. A. (Editor), Southern Arizona: Arizona Geol. Soc., Guidebook II, pp. 165-184, Tucson, Arizona, 1959.
- Gem stones and allied materials, in Gillson, J. L. (Editor), Industrial minerals and rocks, 3rd ed., pp. 383-441, Amer. Inst. Min., Met., and Petrol. Eng., New York, 1960.
- Memorial to Edwin Verne Van Amringe (1899-1956): Amer. Assoc. Petrol. Geol., Bull., vol. 44, pp. 258-260, 1960.
- Review of Geological Survey Research 1960, U. S. Geol. Survey Prof. Paper 400: Amer. Geophys. Union, Trans., vol. 42, p. 307, 1961.
- (with W. T. Schaller and R. E. Stevens) An unusual beryl from Arizona: Amer. Mineral., vol. 47, pp. 672-699, 1962.
- (with C. W. Burnham) A method for determining the solubility of water in silicate melts: Amer. Jour. Sci., vol. 260, pp. 721-745, 1962.
- (with O.F. Tuttle) Layered pegmatite-aplite intrusives: Mineral. Soc. Amer., Special Paper 1, pp. 78-92, 1963.
- (with W. W. Hambleton, J. R. Beerbower, R. C. Gutschick, C. E. Prouty, C. J. Roy, R. L. Heller, and J. L. Snyder) The status of undergraduate geological education: GeoTimes, vol. 8, no. 5, pt. 2, 13 pp., 1964.
- (with W. C. Luth and O. F. Tuttle) The granite system at pressures of 4 to 10 kilobars: Jour. Geophys. Research, vol. 69, pp. 759-773, 1964.
- (with C. L. Sainsbury) Tin, in Mineral and water resources of New Mexico: New Mexico Bur. Mines and Min. Res., Bull. 87, pp. 237-240, 1965.
- Surficial geology of the Greenfield quadrangle, Massachusetts: U. S. Geol. Survey, Geol. Quad. Maps of the U. S., Map GQ 474, 1966.

- Geologic and seismic factors pertinent to the Bolsa Offshore (Artificial Island) Site Area, in Lung, Richard, and Proctor, Richard (Editors), Engineering geology in southern California: Assoc. Eng. Geol., Los Angeles Section, Special Publ., pp. 376-379, Glendale, California, 1966.
- (with others) Earthquake and geologic hazards in California, Report by The Geologic Hazards Advisory Committees, The Resources Agency, California, 18 pp., 1967.
- Serpentinites of the Roxbury district, Vermont, in Wyllie, P. J. (Editor), Ultramafic and related rocks, pp. 137-160, John Wiley and Sons, Inc., New York, 1967.
- The Late Pleistocene of the Connecticut Valley in northern Massachusetts, in Robinson, Peter (Editor), Field trips in the Connecticut Valley, Massachusetts, pp. 166-193, New England Intercollegiate Geol. Conf., 59th Ann. Meeting, Amherst, Massachusetts, 1967.
- Geologic factors relating to engineering seismology in the Hanford area, Washington: Report DUN-3100, Douglas United Nuclear, Inc., Richland, Washington, 35 pp., 1967.
- (with I. C. Bechtold) Geologic environment of HVDC ground currents as related to buried pipelines: Nat. Assoc. Corrosion Engineers, 1968 Conference in Cleveland, Ohio, Paper No. 42, 45 pp., 1968.
- Geologic jeopardy: Texas Quarterly, vol. 11, no. 2 pp. 69-83, 1968; reprinted in Holdren, J. P., and Ehrlich, P. R. (Editors), Global ecology, pp. 95-102, Harcourt Brace Jovanovich, Inc., New York, 1971.
- California's ground-moving weather: Eng. and Sci., vol. 32, no. 6, pp. 6-13, 1969.
- Seventeen years of response by the City of Los Angeles to geologic hazards, in Olson, R. A., and Wallace, M. M. (Editors), Geologic hazards and public problems, Conf. Proc., pp. 283-295, Office of Emergency Preparedness, Santa Rosa, California, 1969.
- Long-term behavior of some major faults in southern California: Amer. Geophys. Union, Trans., vol. 50, pp. 382-384, 1969.
- (with C. W. Burnham) Experimental studies of pegmatite genesis: I. A model for the derivation and crystallization of granitic pegmatites: Econ. Geol., vol. 64, pp. 843-864, 1969.
- Guide to the geology of the Diablo Canyon Nuclear Power Plant Site, San Luis Obispo County, California: Geol. Soc. Amer., Cordilleran Sect., 1970 Ann. Meeting in Hayward, California, Field Trip Guidebook, 44 pp., 1970.
- Geologic hazards - problems for joint solutions: Jour. Geol. Education, vol. 18, pp. 81-84, 1970.

- Mineral resources and human ecology, in Johnson, H.D. (Editor), No deposit - no return, pp. 151-155, Addison-Wesley Publishing Co., Reading, Massachusetts, 1970.
- (with others) Earthquake hazard reduction, Report of the Task Force on Earthquake Hazard Reduction, 54 pp., Office of Science and Technology, Washington, D.C., 1970.
- (with others) In the interest of earthquake safety, 22 pp., Inst. of Governmental Studies, Univ. California, Berkeley, 1971.
- Memorial of Louis Wade Currier (1890-1970): Amer. Mineral., vol. 56, pp. 674-680, 1971.
- (with others) Preliminary report on the geology and field petrology of the Apollo 15 landing site: U.S. Geol. Survey, Interagency Rept. 32 for Nat. Aeronautics and Space Adm., 31 pp., 1971.
- (with others) Preliminary report on the geology and field petrology at the Apollo 16 landing site: U.S. Geol. Survey, Interagency Rept.: Astrogeology 48 for Nat. Aeronautics and Space Adm., 59 pp., 1972.
- Geologic hazards, associated risk, and the decision-making process, in Earthquake risk, pp. 39-53, California Legislature Joint Comm. on Seismic Safety, Proc. Earthquake Risk Conf. in Carmel, California, Sept. 22-24, 1971, Sacramento, 1972.
- A profile of southern California geology, Guidebooks for Amer. Assoc. Petrol. Geol. - Soc. Econ. Paleo. Mineral. - Soc. Explor. Geoph. 1973 Annual Meeting in Anaheim, California, SEG Trip 1, pp. 1-26, 1973.
- Tectonic evolution of the Transverse Ranges province as related to the San Andreas fault system, in Kovach, R.L., and Nur, Amos (Editors), Proceedings of the Conference on tectonic problems of the San Andreas fault system: Stanford Univ. Publs. in the Geol. Scis., vol. 13, pp. 149-170, 1973.
- (with Karl Vonder Linden), Space-time relationships of landsliding on the southerly side of the Palos Verdes Hills, California, in Moran, D.E., Slosson, J.E., Stone, R.O., and Yelverton, C.A. (Editors), Geology, seismicity, and environmental impact, Assoc. Engineering Geol., Special Publ., pp. 123-138, Los Angeles, California, 1973.
- The solid earth, in Kone, E.H., and Jordan, H.J. (Editors), The greatest adventure, The Rockefeller University Press, New York, pp. 51-68, 1974.

- Possible uses of natural ground as an in-place shake table, in Earthquake environment simulation, pp. 61-63, Final Rept. and Proc., Workshop on Simulation of Earthquake Effects on Structures, San Francisco, September 7-9, 1973, Nat. Acad. Engineering, 1974.
- Igneous rocks, Encyclopaedia Britannica (15th ed.) Macropaedia, vol. 9, pp. 201-213, 1974.
- Structural and petrogenetic relationships of pegmatites in the Petaca district, New Mexico: New Mexico Geol. Soc., Twenty-fifth Field Conf., Guidebook of central-northern New Mexico, pp. 371-375, 1974.
- (with J.C. Steiner and W.C. Luth), Crystallization of alkali feldspar and quartz in the haplogranite system $\text{NaAlSi}_3\text{O}_8\text{-KAlSi}_3\text{O}_8\text{-SiO}_2\text{-H}_2\text{O}$ at 4 kb: Geol. Soc. Amer., Bull., vol. 86, pp. 83-97, 1975.
- Some historical perspective on responses to geologic hazards, in Physical hazards and land use, pp. 105-112, San Jose State Univ., California, 1975.
- Gem materials, in Lefond, S.J. (Editor), Industrial minerals and rocks, 4th ed., pp. 271-326, Amer. Inst. Min., Met., and Petrol. Eng., New York, 1975.
- (with R.C. Ewing), The Harding mine, Taos County, New Mexico: New Mexico Geol. Soc., Twenty-seventh Field Conf., Guidebook of Vermejo Park, pp. 263-276, 1976.
- Metallogenic provinces of northeast Pacific, in Circum-Pacific energy and mineral resources: Amer. Assoc. Petrol. Geol., Memoir No. 25, pp. 483-491, 1976.
- Earthquake engineering and the geoscientist's input - too little or too much?: Stanford University, The John A. Blume Earthquake Engineering Center, Proc. Inaugural Symposium, pp. 131-141, 1976.
- (with R.C. Ewing) The Harding mine, Taos County, New Mexico: Mineral Record, vol. 8, pp. 115-126, 1977.
- Foreword, in Skylab explores the Earth: Nat. Aeronautics and Space Admin., NASA SP-380, pp. v-vi, 1977.
- (with A. D. Howard) Mass wasting and the environment, in Howard, A. D., and Remson, Irwin (Editors), Geology in environmental planning, pp. 20-63, McGraw-Hill Book Company, New York, 1978.
- (With B. M. Page and A. D. Howard) Earthquakes and the environment, in Howard, A. D., and Remson, Irwin (Editors), Geology in environmental planning, pp. 209-245, McGraw-Hill Book Company, New York, 1978.
- (with C. E. Chapin, R. M. Chamberlin, and G. R. Osburn) Road log from Socorro to Truth or Consequences via Magdalena and Winston, in Chapin, C. E., and Elston, W. E. (Editors), Field guide to selected cauldrons and mining districts of the Datil-Mogollon volcanic field, New Mexico: New Mexico Geol. Soc. Special Publ. No. 7, pp. 1-31, 1978.

- (with D. K. McMillan, J. D. O'Brient, and D. L. Fisher) Geologic section in the Sierra Cuchillo and flanking areas, Sierra and Socorro Counties, New Mexico. in Chapin. C. E., and Elston. W. E. (Editors), Field guide to selected cauldrons and mining districts of the Datil-Mogollon volcanic field, New Mexico: New Mexico Geol. Soc. Special Publ. No. 7, pp. 130-138, 1978.
- Landslides, in Geophysical predictions: Nat. Research Council, Studies in Geophysics, pp. 58-65, 1978.
- Review of Building a state geological survey, California 1928-1958, by O. P. Jenkins: Econ. Geol., vol. 73, pp. 569-571, 1978.
- Pegmatite, in Lapedes, D.N. (Editor), McGraw-Hill Encyclopedia of the Geological Sciences, pp. 595-598, McGraw-Hill Book Company, New York, 1978.
- (with B.A. Bolt) California's earthquake hazard: a reassessment: Univ. of Calif., Inst. of Govt. Studies, Bull., vol. 20, no. 4, 10 pp., 1979.
- Comments on social costs of future earthquakes, in Scott, Stanley (Editor), What decision makers need to know: policy and social science research on seismic safety: Univ. of Calif., Inst. of Govt. Studies, Research Report 79-5, pp. 1-6, 1979.
- Gem-bearing pegmatites in San Diego County, California: The Stewart Mine, Pala District, and the Himalaya Mine, Mesa Grande District, in Abbott, P.L., and Todd, V.R. (Editors), Mesozoic crystalline rocks: Peninsular Range Batholith and pegmatites, Point Sal ophiolite: San Diego State University, Dept. of Geological Sciences, volume prepared for 1979 annual meeting of Geol. Soc. of America in San Diego, California, pp. 1-38, 1979.
- Toward improved understanding of mineral resources-critical needs in education, training, and transfer of information. In: Barton, P. B., ed., Mineral resources: Genetic understanding: Washington, D. C., National Academy Press, National Research Council, Studies in Geophysics, p. 111-115, 1981.
- Internal evolution of pegmatite bodies. In. Cerny, P., ed., Short Course in Granitic Pegmatites in Science and Industry, Mineralogical Association of Canada Short Course Handbook, 8, 293-327, 1982.
- (with L. A. Stern, G. E. Brown, Jr., D. K. Bird, E. E. Foord, J. E. Shigley, and L. B. Spaulding, Jr.) Mineralogy and geochemical evolution of the Little Three pegmatite-aplite layered intrusive; Ramona, California. American Mineralogist, 71, Jahns Memorial Issue, 1986.