

Memorial to André Cailleux

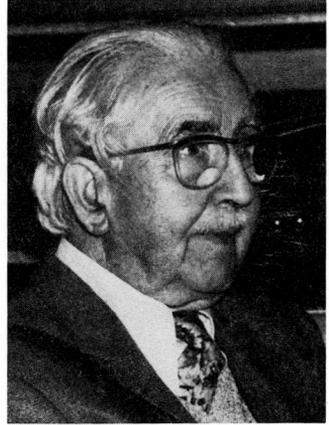
1907–1986

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André Cailleux was born December 24, 1907, in Paris. He died of a heart attack December 27, 1986, at Pornic, France. He was known throughout the geological community and will be remembered for his service of more than four decades to the Université de Paris, the Sorbonne, and the Université Laval, Quebec, Canada. More important, he will be remembered as a man who befriended and remembered everybody.

André received his Bachelor's degree in physical science in 1932. In 1936, he took a competitive examination conducted by the state for candidates for lycée (secondary school) teaching posts. He received his doctorate in 1942. His studies in geology and physical geography have formed the basis for hundreds of published works, by himself and others. In addition he wrote twenty workbooks on various aspects of earth sciences, geography, and planetology.



From 1934 to 1956, André taught at lycées in Varsovia, Brest, and Saint-Maur, France. He then taught at the Sorbonne for eleven years, giving courses on geology, sedimentology, physics, and chemistry. In 1968, he moved to the Université Laval in Quebec and subsequently taught at the California Institute of Technology and the Universities of Rio de Janeiro, Sherbrook, and Montreal.

Early in his career, André's particular interest in the application of mathematics to his fields of study, especially that of planetology, led him to the solar system observatory of Paris-Meudon, headed by astronomer Audoin Dollfus. Through this and many other associations, he studied the geomorphology and physics of the Moon, Mars, and other planets. His studies of terrestrial geology spanned the globe: he participated in missions to America, Greenland, Poland, Guyana, and Mauritania, as well as the Sahara and the Antarctic. As recently as 1960, André represented the French government on an American polar expedition to Antarctica. He conducted scientific conferences in 20 foreign countries. For many years, André headed the undergraduate training program at the Sorbonne. After his retirement from the Sorbonne, he was instrumental in building the geological teaching program in French-speaking Canada.

André's professional associations are many. He was a member of the Deutsche Akademie der Naturforscher Leopoldina, the Academia Nacional de Geografía of Argentina, and learned societies in Bavaria and Poland, as well as his native France. He founded the *Revue de Géomorphologie Dynamique* with J. Tricart in 1950, and he edited *Zeitschrift für Geomorphologie* (Berlin, 1957) and *Annales de Géographie* (Paris, 1963). As an expert on periglacial morphology, he was active in the French Society of Geochemistry (1961) and the International Union for Quaternary Research (1979).

André received many honors and awards, including the Croix de Guerre (1940), the Chevalier of the Legion of Honor (1952), the Chevalier of Merit for agricultural teaching (1952), the French medal of recognition (1953), and a medal for physical education of the French polar expeditions in which he played such an important role.

André Cailleux was a generous, good-hearted man who always had time to listen to others and to inspire his students. He and his wife Anne, his co-worker most of his life, bequeathed part of their

personal library to the Université de Reims in France. In recent years, despite his declining health, André worked diligently to raise funds for Quaternary research and geological scholarships. He also devoted considerable time to cataloging the mineral specimens and fossil collection of the Université de Paris.

During his life, André published 390 scientific works, on geomorphology, oceanography, hydrology, glaciology, petrography, mineralogy, geography, paleontology, and history. A few of these works are included in the list below.

SELECTED BIBLIOGRAPHY OF ANDRÉ CAILLEUX

- 1953 *Biogéographie mondiale*, 3ème édition, 126 p.
- 1958 (with Plaisance, G.) *Dictionnaire des sols*: Paris, La Maison Rustique, 604 p.
- 1959 *Trente millions de siècles de vie*: Paris, Editions André Bonne, 316 p. (English translation, New York, Stein and Day, 1969).
- 1961 *Histoire de la géologie*, in the collection *Que sais-je?*, no. 962: Paris, Presses Universitaires de France, 128 p.
- 1965 *Eléments de géologie en six langues*: Paris, Société de l'Éditions Enseignement Supérieur, 191 p.
- 1967 *L'Antarctique*, in the collection *Que sais-je?*, no. 1249: Paris, Presses Universitaires de France, 128 p.
- 1968 *Anatomy of the Earth*: New York–Toronto, McGraw-Hill Book Company, 251 p.
- *Les roches*, in the collection *Que sais-je?*, no. 519: Paris, Presses Universitaires de France, 128 p.
- 1969 *La science de la terre*, in *Encyclopédie géographique*: Paris, Bordas, 799 p.
- *Three billion years of life*: New York, Stein and Day, 239 p.
- 1971 *Seneka und der geist der wissenschaft: Geologie* (Berlin), v. 20, p. 758–764.
- 1977 *Satellites, planètes, Terre; géomorphologie comparée*: *Bulletin de l'Association de Géographes Français*, v. 54, p. 185–194 (with English summary).
- 1978 *La Terre et son histoire*, in the collection *Que sais-je?*: Vendôme, France, Presses Universitaires de France, 128 p.
- 1980 *Chronique planétologique* [an annotated bibliography of planetology]: *Cahiers Géologiques*, no. 96, p. 324–333.
- 1981 (with Komorn, J.) *Dictionary of scientific roots of words*: Paris, Presses Universitaires de France, 263 p.