

many papers in the scientific and popular literature on unusual minerals, their chemistry, structure and occurrence. Like his first mentor Sir Douglas Mawson he had an almost uncanny capacity for mineral recognition and a sense of when something was not quite right with the properties of a particular mineral sample. In retirement Allan was also able to dedicate more time to community organizations, church affairs and the Kenmore Christian College with which he had been involved since its foundation. His memorial service on 9 June 2001 in the Westside Church of Christ was notable for the diversity of the large congregation that had known Allan variously as educator, scientist, horticultural enthusiast and Christian leader. Allan was devoted to his family and is survived by his widow Betty, his sons Murray and Ian and daughters Gwenda and Marion. He will be remembered above all else as a pioneering geologist and inspiring educator who interested many in the Earth Sciences. Allan will be missed by all who experienced his great generosity of spirit.

Selected bibliography

- 1960 (with W. Compston, P.M. Jeffrey and G.H. Riley) Radioactive ages from the Precambrian rocks in Australia. *Journal of the Geological Society of Australia*, **6**, 179–195.
- 1970 (with D.C. Green and L.R. Davidson) The use of

oxygen isotope geothermometry on the granulites and related intrusives, Musgrave Ranges, central Australia. *Contributions to Mineralogy and Petrology*, **27**, 166–178.

- 1976 Aluminium in coexisting pyroxenes as a sensitive indicator of changes in metamorphic grade within the mafic granulite terrane of the Fraser Range, Western Australia. *Contributions to Mineralogy and Petrology*, **56**, 255–277.
- 1977 A zincian hognomite and some other hognomites from the Strangways Range, central Australia. *Mineralogical Magazine*, **41**, 337–344.
- 1983 (with A.K. Baksi) Widespread ^{18}O depletion in some Precambrian granulites of Australia. *Precambrian Research*, **23**, 33–56.
- 1983 (with S.D. Golding) Geochemical and stable isotopic studies of the No. 4 lode, Kalgoorlie, Western Australia. *Economic Geology*, **78**, 438–450.
- 1984 Origin of quartz-free gold nuggets and supergene gold found in laterites and soils – a review and some new observations. *Australian Journal of Earth Sciences*, **31**, 303–316.
- 1984 (with A.K. Baksi) Oxygen isotope fractionation and disequilibrium displayed by some granulite facies rocks from the Fraser Range, Western Australia. *Geochimica et Cosmochimica Acta*, **48**, 423–432.

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Brian Albert Sturt, 1933–2000

Brian Albert Sturt passed away, on 15 September 2000, within a stone's throw of his home in Trondheim, Norway. Born in Leicestershire, Brian graduated from the University of Wales, Aberystwyth, and then moved to a lecturing position at Bedford College, University of London (1958–1970). It was during a part of his time in London that Brian served three years (1966–1968) on the Council of the Mineralogical Society. Although his early research years, including doctorate studies, were spent in the Dalradian of Scotland, he was soon to transfer his main fields of interest to the coastal areas of northern Norway, and almost always in the accompaniment of his close friend and colleague,

Professor Donald Ramsay. It was during one of his early summers in Norway that Brian met his devoted wife Sidsel.

The many challenges presented by the Scandinavian Caledonides finally enticed Brian to permanent residence in Norway, in 1970, to the chair of geology at the University of Bergen. There, within just a few years, his dynamism and commitment helped transform the department into a vibrant research school. With his many international contacts, more notably with geoscientists of high standing in Appalachian geology, and with his postgraduate students then conducting mapping and structural studies in many parts of the Caledonides, Brian was a



natural choice as chairman of the highly successful IGCP Project 27 (The Caledonide Orogen). This ten-year programme (1975–1985) of intensive and stimulating geological research, with Brian at the helm, can truly be said to have laid the foundations of our current understanding of Scandinavian Caledonide geology.

In 1986, Brian was appointed as director of the bedrock division of the Geological Survey of Norway, coordinating the mapping programme and related research, and with subsequent responsibility for international projects in Africa and eastern Europe. Later, as director of research and development, he thrived in bringing life into newly-established projects, partly through involving some of his many international connections but also by creating teams of young and more established Survey workers who were inspired by his ceaseless energy. Many of us will have images of Brian appearing in our offices at all hours to discuss ideas arising from the newest publications.

In spite of his daily administrative responsibilities, he always maintained a keen interest in global geoscience research and at the same time an enthusiasm and willingness to pass on his knowledge and ideas to others. During those years, the Geological Survey of Norway built up an international reputation of high standing, thanks in no small way to Brian, with a highly qualified geoscientific staff from 18 different nations.

In addition to his extensive Survey duties, Brian served periods on numerous national and international committees and councils, and on the

editorial boards of five journals; this included a 2-year spell (1969–1970) on the editorial board of *Mineralogical Magazine*. In spite of his heavy administrative commitments, Brian found time to write or co-author 125 peer-reviewed publications, and his many lecturing contributions on the Scandinavian Caledonides were a feature of countless meetings and symposia in many countries around the world. In Norway, his overall contribution to geoscience was recognized by election to the Royal Norwegian Society of Science and Letters (Det Kongelige Norske Videnskabers Selskab) in 1985, and the Norwegian Academy of Science and Letters (Det Norske Videnskaps-akademi), also in 1985. He was later accorded the special tribute of having a symposium dedicated in honour of his lifelong work, at a Nordic geological conference hosted by the Geological Society of Norway in Trondheim, January 2000.

As a staunch advocate of the overall importance of field observation, Brian was in his element crawling over rock outcrops, his eagle eye searching out the most critical and significant structural relationships and then, a short while later, puffing on his pipe and contemplating the observations on a broader, regional scale. In the Norwegian Caledonides he will be remembered as one of the leading lights of the past three to four decades, with major contributions in a wide range of disciplines and in different parts of the orogen – on terrane-linking unconformities, ophiolite assemblages, recognition of the early Caledonian, Finnmarkian event, the occurrence of alkaline

rocks and carbonatites in the Seiland Province, and the tectonostratigraphic development of the Caledonides in general. On evenings after field trips, many a colleague will recall lively discussion, and wherever there happened to be a piano then the room would eventually be pulsating to Brian's familiar repertoire of ragtime melodies — a musical divertissement

that will also linger from memorable dinner parties at Brian and Sidsel's home. Brian will truly be missed by countless friends and colleagues, and is survived by Sidsel and three daughters, Karen, Frances and Alice, and two grandchildren Andrea (b. 1986) and Oscar (b. 1999).

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