

EDITORIAL

This special issue contains topics that seldom come together under a single roof. The research of the late Professor Jehuda Neumann (1915–1993) united mesoscale meteorology, weather modification, air pollution meteorology, and climate history. In our opinion, most of the research Jehuda conducted was connected by a line of fundamental research that had immediate practical applications. He was trained as a mathematician in Budapest, Hungary, and would have probably even preferred to deal with neat mathematical derivations. However, the young state of Israel, to which he arrived prior to World War II, required solutions to several urgent meteorological problems. Accordingly, Neumann started with the development of research in applied meteorology in the fields of energy and water energy as head of research in the Israel Meteorological Service in 1949. In the late 1950s, the Hebrew University decided, on the recommendation of visiting professor Yale Mintz, to expand its Climatology Department and to establish a new department in its physics faculty. Neumann was invited to head the new department, from which he tutored a new generation of meteorologists in Israel. Neumann became the initiator, planner, and leading scientist in a number of areas that started in Israel and became well known through the scientific meteorological community. These research areas included his early cloud seeding experiments, which continue on a much extended scale to this day; his mesoscale modeling of sea and land breezes; and, in recent years, his development of a whole new field of climate history (see his *Bulletin of the American Meteorological Society* series of 10 papers on “Great Historical Events That Were Significantly Affected by the Weather”).

On 4–6 January 1995, an international symposium was held in Jerusalem, Israel, entitled “Jehuda Neumann Memorial Symposium on Mesoscale Modeling and Climate History.” The current issue brings together 12 of the 50 papers presented at this meeting to honor the work of Professor Jehuda Neumann.

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