

***Tropical Meteorology and Climatology in the 20th and 21st Centuries:
The View From Hawai'i***

*A Symposium to Celebrate the 50th Anniversary of the University of Hawai'i
Meteorology Department*

*Monday, September 11, 2006
Keoni Auditorium
East-West Center, Honolulu, Hawai'i*

Morning

8:30-9:00 Coffee

Aloha and Opening Remarks

9:00-9:05 Prof. Kevin Hamilton

9:05-9:10 Chancellor Denise Konan

9:10-9:15 SOEST Dean Brian Taylor

9:15-9:20 NOAA WFO Honolulu Meteorologist in Charge Jim Weyman

9:20-9:50 Prof. Tom Schroeder "Early History of the Department"

9:50-10:15 Prof. Colin Ramage "Hot Towers and Tropical Cyclones"

10:15-10:45 Break

10:45-11:10 Prof. Colin Ramage "Remembering Research"

11:10-11:40 Prof. Tom Schroeder "Modern History of the Department"

11:40-noon Prof. Steven Businger "Research on Kona Lows"

Afternoon

1:30-2:30 Prof. Dick Johnson (Colorado State University) Keynote Lecture: "Fifty Years of Progress in Tropical Meteorology: A Personal View"

2:30-3:00 Break

3:00-3:40 Prof. Gary Barnes "Tropical Cyclones: Fifty Years of Progress and the Horizon"

3:40-4:20 Prof. Kevin Hamilton "Achieving Confidence in Global Change Forecasts"

4:20-5:00 Prof. Tim Li "Prospects for Monsoon Dynamics Research"

Chronology of UH Meteorology Highlights

- 1956 First contract with U.S. Air Force “Research directed toward the study of the formation, intensification and movement of typhoons in the Pacific area”
Prof. Ramage arrives
- 1957-1958 The International Geophysical Year
Occurrence of a major ENSO event
Hurricane Nina threatens Hawai‘i
- 1960 Department of Meteorology and Oceanography established
First BS degrees (4) awarded
TIROS- One Satellite launched on April 1
- 1962-1964 International Indian Ocean Expedition
- 1962 First M.S. degree awarded
- 1963 Hawai‘i Institute of Geophysics Building opens
Department of Geosciences established
- 1964 UH accepted as member of University Corporation for Atmospheric Research
- 1965 Cloud Physics Observatory opens
Project Warm Rain
- 1965-1972 Hawaiian Weather Forecast Studies
Viet Nam conflict related research
- 1966 First Ph.D. degree awarded
- 1967 Line Islands Experiment
Geostationary satellite ATS - 1 launched
- 1970 Meteorology secedes from Hawai‘i Institute of Geophysics
AMS Symposium on Tropical Meteorology, Honolulu
- 1971 Publication of *Monsoon Meteorology*
- 1972-1973 Major ENSO event occurs
- 1974 GARP Atlantic Tropical Experiment
AMS Annual Meeting in Honolulu
- 1975 First Pacific SMS/GOES satellite launched
- 1976 First wind energy studies in Department
- 1977 Solar Energy Meteorological Research and Training Site established
- 1977-1978 Tahiti Shuttle
- 1977 Creation of JIMAR
- 1978 Project Ahupuaa
- 1978-1979 Winter Monsoon Experiment
- 1979 Summer Monsoon Experiment
- Late-1970's First visiting scientists from Peoples' Republic of China
- 1980 *Wind Energy Resource Atlas (Hawai‘i and Pacific Islands Region)* published

1982 Very strong ENSO event occurs
Hurricane Iwa (Prof. Schroeder part of NAS/NAE review)
Prof. Sadler receives AMS Banner Miller Award

1983 Continuation of extraordinary ENSO event and the first occurrence of tropical cyclones in French Polynesia in 75 years

1985 Prof. Murakami receives Fujiwara Award from Meteorological Society of Japan

1986 *Rainfall Atlas of Hawaii* published

1987 Taiwan Mesoscale Experiment (TAMEX)

1987-1989 Five faculty retirements

1987-1988 New Year's Eve flood on O'ahu (with another NAS/NAE review)

1988 Prof. Schroeder becomes acting chair following Prof. Ramage's retirement
Creation of School of Ocean and Earth Science and Technology (SOEST)

1989 Closure of Cloud Physics Observatory
Dr. Raleigh arrives as Dean of SOEST
Prof. Stevens arrives as Chair of Meteorology

1990 Hawaiian Rain Band Project
Tropical Cyclone Motion Experiment (TCM 90)

1990-1993 Four new faculty recruited

1991 Convection and Precipitation Electrification (CaPE) Experiment
National Weather Service Pacific Region Fellowships established

1992-1993 TOGA Coupled Ocean-Atmosphere Experiment (COARE)

1992 Hurricane Iniki makes landfall on September 11

1993 Prof. Schroeder becomes Chair

1994 Pacific ENSO Applications Center (PEAC) founded

1995 National Weather Service Honolulu Forecast Office opens on campus

1996 Prof. Barnes becomes Chair

1997 International Pacific Research Center created
(four new IPRC/MET faculty recruited between 1999 and 2004)

1997-1998 Strong ENSO event occurs (PEAC widely noted for services provided)
Super Typhoon Paka strikes Guam (Prof. Barnes part of NWS site survey team)

1999 Mauna Kea Weather Center established
Prof. Schroeder becomes Chair

2000 Hawai'i State Climate Office established

2002 Prof. Xie receives the Meteorological Society of Japan "Society Award"

2004 Prof. Hamilton becomes Chair

2005 NWS marks 10 years on campus