

**ComNavWeaServ is a RADM** - On 30 June 1969 Commander Naval Weather Service, Captain William Kotsch USN, was promoted to Rear Admiral USN. Weathermen had their first Admiral. His stay in weather from that point was to be a short one in that he was transferred within six months and assigned as Deputy Director, Operations, Joint Chiefs of Staff. The late Admiral Kotsch felt that his forecasts for "Operation Ivy", the first hydrogen bomb test, were one of the most memorable parts of a memorable career in the weather-oceanographic service. RADM Kotsch retired on 1 July 1975.

In late Oct 1970 Typhoon Kate caused widespread damage and flooding over South Viet Nam.

**"Rickover of Navy Computers" is Relieved** - On 15 Nov 1970 Captain W.S. "Sam" Houston relieved Captain Paul M. Wolff, who could appropriately be called the Father of Environmental Computing in the Navy, after an eleven year tenure.

On 21 and 22 Nov 1970, 200 Navy and Marine aircraft from USS Hancock, Ranger and Oriskany conduct protective reaction strikes south of the 19th parallel.

**Rainmakers** - On 17 February 1971 the pyrotechnic seeding device, WMU-1/B was approved for service use by the Weapons Systems Safety Review Board. The Unit consists of a silver iodide (catalyst) generator which became the first weather modification unit released for production and general use by the Navy. Later in 1971 the device was used to enhance rainfall over the island of Okinawa and served to replenish the island's water reserves.

**Typhoon Hunters Call it a Day** - On 1 July 1971 Airborne Early Warning Squadron One which was tasked with providing the western Pacific with weather reconnaissance, including tropical cyclone detection is disestablished.

In Aug of 1971 FleNumWeaCen assumed responsibility for OTSR, Optimum Ship Routing, from FleWeaCen Alameda. In Sept of the same year the NHPE, Northern Hemisphere Primitive Equation model became operational at FNWF.

**It Never Rains in Southern California** - In July of 1972 V-4 had conducted seeding operations in the Azores in an effort to relieve a severe water shortage. During early Feb 1973 V-4 aircraft participate in the Santa Barbara Project, a successful cloud seeding project in California.

**Viet Nam Wind-Up** - On 27 Jan 1973 the Viet Nam cease fire took effect. The final U.S. force departed on 29 Mar 1973 marking the last phase of Operation Homecoming as

the final group of 148 POWs were released by Hanoi. 591 POWs were released in all. 566 were American and 144 were Navy pilots and crewmen.

**You've come a Long Way, Baby!** - On 22 February 1974 LTJG Barbara Ann Allen became the Navy's first designated female naval aviator when she received her wings of gold at a ceremony at NAS Corpus Christi TX.

The Spectral Ocean wave model became operational at FNWC in 1974.

**Satellites replace Hurricane Hunters** - On 30 April 1975 the Naval Weather Service bid farewell to the dauntless Hurricane Hunters of Weather Reconnaissance Squadron Four after 30 year's service. Satellite imagery took the place of their eye penetrating endeavors. V-4 was a major contributor to meteorological science and oceanographic research in cooperation with the National Weather Service and the Naval Weather Service.

**Champ Storm Chaser** - Of all the hunters in V-4's illustrious 30 year history, AGCM Robert F. Frazier topped the list in flight time with (2447.9 total hours), with combat missions (91) and with one hundred eleven tropical storm penetrations.

On 30 June 1975 The traditional uniform of sailors was declared obsolete and temporarily replaced by a uniform similar to that of officers and CPOs.

**NWSA Reunion Inaugural** - On 15 and 16 August 1975 the Aerographer's Mates school at NAS Lakehurst NJ hosted the first annual NWSA, Naval Weather Service Association reunion.

**A New Title** - On 18 Feb 1976 Commander Naval Weather Service Command, Captain Conley R. "Dick" Ward USN, was redesignated Director, Naval Oceanography and Meteorology by OPNAVNOTE 5450 Ser 09B33/553022 as an echelon three command under the Oceanographer of the Navy.

In April 1976 CDC Cyber 170/175, Satellite Processing Center, was installed at FNOC.

**Bye-Bye Brown Shoes and Aviation Greens** - On 30 June 1976 a naval aviation tradition came to an end when the forestry green winter flying uniform and brown shoes were stricken from the Officer's-CPO's sea bags. This uniform distinguished "brown shoe" aviation personnel from "black shoe" surface or "bubble head" submariners.

**An Air-Ocean Merger** - Perhaps the greatest change of all was the realignment and consolidation of the Navy's