

# ANNUAL TYPHOON *Report*



19



69



**FLEET WEATHER CENTRAL/JOINT TYPHOON WARNING CENTER**  
**Guam, Mariana Islands**

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U. S. FLEET WEATHER CENTRAL  
JOINT TYPHOON WARNING CENTER

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FPO SAN FRANCISCO 96630

FWC/JTWC:HLH:lmr

5213/4

Ser: 21

16 JAN 1970

From: Commanding Officer, U. S. Fleet Weather Central/Joint  
Typhoon Warning Center, Guam

To: Chief of Naval Operations

Via: Commander, Naval Weather Service Command

Subj: Annual Typhoon Report, 1969; submission of

Ref: (a) OPNAV Instruction 3140.17E of 29 Oct 65

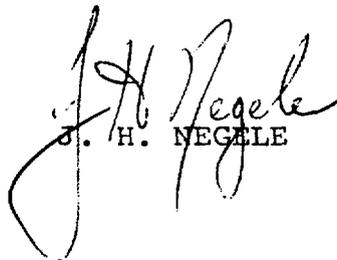
(b) SECNAV Instruction 5600.16 of 2 Nov 60

1. The Annual Typhoon Report, 1969, is submitted herewith  
in accordance with reference (a).

2. During calendar year 1969, 13 typhoons, 6 tropical storms  
and 4 depressions were detected in the Western North Pacific  
from the International Date Line to the Malay Peninsula. A  
total of 430 warnings were issued during the 108 calendar days  
of "warning status" for the Joint Typhoon Warning Center, Guam.

3. Reference (a) directs Fleet Weather Central Pearl Harbor  
and Fleet Weather Central Alameda to forward annual summaries  
of tropical cyclones in their respective areas to this command  
for inclusion in Annual Typhoon Reports. Fleet Weather Central  
Pearl issued no tropical cyclone warnings during 1969. Fleet  
Weather Central Alameda was in warning status 67 days during  
1969 and issued a total of 219 warnings on 4 hurricanes, 6  
tropical storms and 5 tropical depressions.

4. This report has been reviewed in accordance with refer-  
ence (b).

  
J. H. NEGELE

U. S. FLEET WEATHER CENTRAL  
JOINT TYPHOON WARNING CENTER

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## FOREWARD

This report is published annually and summarizes Western North Pacific Tropical Cyclones. Annex A summarizes Tropical Cyclones from 180 degrees eastward to the North American Coast.

When directed by CINCPAC in May 1959, CINCPACFLT redesignated Fleet Weather Central Guam as Fleet Weather Central/Joint Typhoon Warning Center (FWC/JTWC), Guam with the following responsibilities:

1. To provide warnings to U. S. Government agencies for all tropical cyclones north of the equator and west of 180 degrees longitude to the coast of Asia and Malay Peninsula.
2. To determine tropical cyclone reconnaissance requirements and assign priorities.
3. To conduct investigative and post-analysis programs including preparation of the Annual Typhoon Report.
4. To conduct tropical cyclone forecasting and detection research as practicable.

Air Force Asian Weather Central at Fuchu, coordinating with U. S. Navy Fleet Weather Facility Yokosuka was designated as alternate JTWC in case of failure of FWC/JTWC Guam.

The JTWC is an integral section of FWC/JTWC Guam and is authorized to be manned by three Air Force and three Navy officers and five enlisted men from each service. The senior Air Force Officer is designated as Director, JTWC.

The Western Pacific Tropical Cyclone Warning System consists of the Joint Typhoon Warning Center (JTWC), the U. S. Air Force 54th Weather Reconnaissance Squadron stationed at Andersen Air Force Base, Guam and U. S. Navy Airborne Early Warning Squadron One (VW-1) stationed at Naval Air Station, Agana, Guam.

The Joint Hurricane Warning Center in Hawaii, a coordinated agency composed of the U. S. Weather Bureau, Honolulu, the Air Force Central Pacific Forecast Center, and Fleet Weather Central Pearl Harbor, is responsible for tropical cyclone surveillance and issuance of warnings in the Central North Pacific area between 180 degrees and 140 degrees west.

U. S. Navy Fleet Weather Central, Alameda, California, is responsible for issuance of warnings from 140 degrees west longitude to the North American Coast.

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