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ORIGIN EA-10

INFO  OCT-01  EUR-12  I0-10  ISO-00  OES-03  COME-00  AID-05

CIAE-00  NSF-01  INR-07  L-02  /051 R

DRAFTED BY EA/RA:RJMARTENS/LMCNUTT:EA/PHL:ASWI
APPROVED BY EA:JOZURHELLEN
EA/PHL:BAFLECK
1. WE APPRECIATE YOUR VIEW FROM MANILA PERSPECTIVE, AND ARE AWARE OF THE PRESSURES YOU ARE UNDER FROM THE FILIPINOS TO HELP THEM WITH THEIR RATHER AMBITIOUS PLANS FOR STORM CONTROL IN THEIR AREA.

2. STORMFURY PROJECT OR ANY PROJECT INVOLVING EFFORTS TO CONTROL TROPICAL STORMS IN EAST ASIA AREA IS NECESSARILY OF CONCERN TO NATIONS OF THE ENTIRE REGION. WE NOTE IN THIS CONNECTION PRC STATEMENT (REF B) THAT "UNANIMOUS AGREEMENT OF ALL COUNTRIES MUST BE OBTAINED BEFORE EXPERIMENTS ARE MADE." THE U.S. GOVERNMENT CANNOT PARTICIPATE IN EFFORTS
WHICH MIGHT ALTER REGIONAL WEATHER PATTERNS AS LONG AS THERE OBJECTIONS FROM CHINA, JAPAN OR OTHER COUNTRIES WHICH MIGHT BE AFFECTED BY OUR STORM SEEDING PROGRAMS. OUR INABILITY TO ACT UNILATERALLY STEMS BOTH FROM POLITICAL CONSIDERATIONS AND FROM PROBLEMS OF LIABILITY.

3. WE WILL, OF COURSE, CONTINUE OUR SCIENTIFIC CONTACTS WITH THE JAPANESE IN THE HOPE OF PERSUADING THEM OF THE DESIRABILITY OF THIS PROJECT. WE DO NOT, HOWEVER, INTEND TO FORCE JAPANESE HAND. ALSO WE BELIEVE THE CHINESE WILL NOT BE HURRIED IN THEIR CONSIDERATION OF THIS QUESTION.

4. WE_ASSUME THE GOP, TOO, IS AWARE OF THE PROBLEMS THAT UNILATERAL EFFORTS ON THEIR PART TO MODERATE STORMS MIGHT RAISE WITH THEIR NEIGHBORS, AND HOPE THAT THEY WILL WORK TO CREATE ACCEPTANCE OF STORMFURY TYPE PROJECTS IN THE REGION. YOU MAY ASSURE THE GOP WE WILL SUPPORT ANY EFFORTS THEY MAKE ALONG THESE LINES.

5. WE NOTE THAT JOHNSON/MARCOS COMMUNIQUE DOES NOT REFER TO STORMFURY OR A STORM SEEDING PROGRAM PER SE, BUT SAYS THAT THE TWO PRESIDENTS "AGREED THAT REGIONAL INITIATIVES UNDERTAKEN BY ECAFE AND WMO TO IMPROVE TECHNICAL CAPABILITIES FOR TYPHOON DAMAGE CONTROL DESERVED FULL SUPPORT. PRESIDENT JOHNSON OFFERED THE SERVICES OF A U.S. METEOROLOGICAL TEAM TO DEVELOP A JOINT PROGRAM OF TYPHOON DAMAGE CONTROL IN THE PHILIPPINE AREA IN CONCERT WITH REGIONAL PLANNING."

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6. WITH REGARD TO A MODIFIED STORMFURY PROJECT, WE MUST (PER REF D) BE GUIDED BY SCIENTIFIC JUDGMENT OF NOAA AND ITS CAPACITY BOTH TO FUND SUCH A PROGRAM AND TO PROVIDE THE NECESSARY PERSONNEL. WE WOULD BE WILLING TO EXPLORE POSSIBILITIES OF OTHER TYPES OF ASSISTANCE TO PHILIPPINE GOVERNMENT WHICH WOULD INCREASE THEIR TECHNICAL CAPABILITIES IN THE AREA OF STORM DAMAGE CONTROL. ONLY SPECIFIC POSSIBILITY OF WHICH WE NOW AWARE WOULD BE US TRAINING IN THIS FIELD USING AID GENERAL PARTICIPANT TRAINING FUNDS. UNDER SUCH PROGRAMS, WE WOULD NOT, OF COURSE, BE WILLING TO BECOME DIRECTLY INVOLVED IN ANY GOP EFFORTS
TO MODERATE STORMS. INGERSOLL

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References to this document in other cables
1975MANILA07515

References in this document to other cables
1975MANILA03762
1975BANGKO05109
1975TOKYO03950

If the reference is ambiguous all possibilities are listed.

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PROJECT STORMFURY

Date: 1975 May 15, 20:49 (Thursday)
Original Classification: UNCLASSIFIED
Handling Restrictions: N/A or Blank
Executive Order: N/A or Blank
Tags: CH - China (Mainland) | JA - Japan; Okinawa; JOCOM WMO | TPHY - Technology and Science - Physical Sciences | US - United States | WMO - World Meteorological Organization | XE - East Asia
Enclosure: N/A or Blank
Office Origin: ORIGIN EA
Office Action: N/A or Blank
From: DEPARTMENT OF STATE

To: CHINA UNITED STATES LIAISON OFFICE PEKING | JAPAN TOKYO | PHILIPPINES MANILA | TOKYO MANILA

UNCLASSIFIED

PAGE 01 STATE 113585

17
ORIGIN EA-01

INFO OCT-01 ISO-00 OES-01 IO-01 /004 R

66616
DRAFTED BY EA/RA:LMCNUTT
APPROVED BY EA/RA:RJMARTENS
OES/SCI/SA:DR. MORRIS
IO/SCT:MR. CAVANAUGH
--------------------- 049227
R 152049Z MAY 75
FM SECSTATE WASHDC
TO AMEMBASSY TOKYO
USLO PEKING
AMEMBASSY MANILA

UNCLAS STATE 113585

FOLLOWING REPEAT GENEVA 3525 ACTION SECSTATE INFO USUN NEW
YORK DATED 14 MAY 75
QUOTE
UNCLAS GENEVA 3525

E.O. 11652: N/A
TAGS: OCOM WMO
SUBJECT: PROJECT STORMFURY

1. SEPARATE CONVERSATIONS WITH THE JAPANESE AND CHINESE
DELEGATIONS TO THE 7TH WMO CONGRESS IN GENEVA ON U.S. PROJECT
STORMFURY REVEAL THE FOLLOWING INFORMATION.

2. MOHRI (JAPAN) DIRECTOR, METEOROLOGICAL AGENCY, WAS UNDER
INSTRUCTIONS TO INDICATE THE RESERVATION OF GOJ TO OPERATIONAL
PROGRAM OR FIELD EXPERIMENT ON TYPHOON MODIFICATION IN PACIFIC.
JAPANESE IN FAVOR OF QUOTE RESEARCH QUOTE PROGRAM. MOHRI STRESSED THA
T
BOTH PUBLIC OPPOSITION AND MINISTRY-LEVEL OPPOSITION IN JAPAN
QUITE FIRM. SUMMARY OF DEBATE ON THIS ITEM IN WMO CONGRESS WILL
LIKELY INCLUDE THESE JAPANESE VIEWS.

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3. IN SEPARATE CONVERSATION WITH THE CHINESE, TSOU CHING-MENG,
HEAD OF DELEGATION, SHOWED CONSIDERABLE INTEREST IN AND HAD MANY
QUESTIONS ABOUT U.S. PROPOSAL FOR PACIFIC TYPHOON MODIFICATION
EQUIPMENT. WHITE OFFERED TO PROVIDE CHINESE WITH INFORMATION ON
PROJECT AND SCIENTIFIC BASIS FOR FIELD EXPERIMENTATION. CHINESE
REQUESTED THAT SUCH INFORMATION BE PROVIDED VIA AMERICAN
METEOROLOGICAL SOCIETY SO THAT DURING VISIT TO THE U.S. UNDER SOCIETY
AUSPICES IN OCTOBER 1975 CHINESE DELEGATION WOULD BE IN POSITION
TO DISCUSS ASPECTS OF PROJECT IN MAAMI WITH NOAA SCIENTISTS.

4. TSOU QUESTIONED BASIS OF SCIENTIFIC EVIDENCE THAT ONLY WIND
FIELD WOULD BE AFFECTED AND NOT RAINFALL. HE ALSO QUERIED BASIC
REASON FOR SHIFT OF PROJECT TO PACIFIC. EXPLANATION THAT INCREASED
FREQUENCY OF STORMS WOULD PERMIT EARLY COMPLETION OF RESEARCH SEEMED
TO SATISFY HIM. WHITE POINTED OUT THAT PRESENT PLAN IS TO SEED ONLY
SMALL NUMBER OF STORMS SO AS TO DETERMINE WHETHER SEEDING
TECHNIQUES ARE EFFECTIVE.

5. TSOU ASKED ABOUT ATTITUDE OF GOVERNMENTS OTHER THAN THOSE OF
PHILIPPINES AND JAPAN. WHITE STATED THAT TO DATE U.S. HAD NO IN-
DICATION OF RESERVATIONS OTHER THAN THOSE FROM JAPAN. TSOU THEN
ASKED SPECIFICALLY ABOUT ATTITUDES OF GOVERNMENTS IN SOUTHEAST ASIA.
REPLY WAS THAT THESE WERE UNKNOWN TO THE U.S. GOVERNMENT.

6. TSOU THEN ADVANCED INTERESTING PROPOSAL THAT COOPERATIVE STUDY
OF PROJECT INVOLVING NATIONS IN FAR EAST BE UNDERTAKEN PRIOR TO
MAKING DECISION ON FIELD EXPERIMENTATION; BUT OFFERED NO SPECIFICS
OF THIS PROPOSAL. NEVERTHELESS, HIS PROPOSAL DOES APPEAR TO
INDICATE WILLINGNESS TO CONSIDER THE SUBJECT FURTHER. DALE

INQUOTE

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ACTION OES-04

INFO OCT-01 EUR-12 EA-06 IO-10 ISO-00 L-03 COME-00 CIAE-00

INR-07 NSAE-00 DODE-00 EB-07 /050 W

----------- 014868

R 021001Z JUN 75
FM AMEMBASSY MANILA
TO SECSTATE WASHDC 4033
INFO CINCPAC HONOLULU HI
1. On May 28 two members of Executive Secretary Melchor’s staff called on Acting DCM to inquire as to status of StormFury and/or possibility of joint Philippine-US typhoon moderation research.

2. ADCM sought to avoid conveying any thought that US now in position to enter into such a program, but noted that in time typhoon research might be covered under US-RP bilateral scientific and technical cooperation agreement (Ref C). ADCM urged further study of the draft already submitted but said that a more specific proposal as to what form cooperative effort would take would have to await decisions regarding StormFury.

3. As regards StormFury movement to Pacific, ADCM reiterated that there had been expressions of concern on part principally of Japan about typhoon seeding experiments further diplomatic work was needed to allay such concerns, before a research program involving experimentation either under StormFury or some other program could be undertaken. ADCM inquired whether GOP was discussing matter with Japanese and was informed...
THAT EXECUTIVE SECRETARY MELCHOR WAS UNDERTAKING
CONSULTATIONS.

4. COMMENT: AS TYPHOON SEASON APPROACHES ONCE
MORE, FILIPINO PREOCCUPATION WITH LACK OF PROGRESS IN
PROGRAM OF TYPHOON RESEARCH WILL MOUNT. ASIDE FROM
STORMFURY PROSPECTS, HOWEVER, FILIPINOS, PARTICULARLY
MELCHOR, ARE FAR LESS THAN SATISFIED THAT US COMMITMENT
TO JOINT ACTIVITIES HAS IN ANY SENSE BEEN DISCHARGED.
WE WILL HEAR MUCH MORE OF THIS, ESPECIALLY IF THE
SEASON IS BAD. PURNELL

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PAGE 01  TAIPEI 03450  160235Z

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ACTION EA-10

INFO  OCT-01  ISO-00  CIAE-00  DODE-00  INR-07  NSAE-00  PA-02

USIA-15  PRS-01  SP-02  OES-05  IO-10  COME-00  /053 W
--------------  050899

R 160123Z JUN 75
FM AMEMBASSY TAIPEI
TO AMEMBASSY MANILA
INFO SECSTATE WASHDC 5606

UNCLAS TAIPEI 3450
E.O. 11652: N/A
TAGS: TPHY, XE
SUBJECT: TYPHOON MODIFICATION EXPERIMENT

1. ARTICLES IN LOCAL PRESS, BOTH CHINESE AND ENGLISH, DISCUSS QUOTE: A PROJECTED PHILIPPINE-AMERICAN EXPERIMENT WITH ALTERING THE FORCE AND COURSE OF TYPHOONS IN THE WESTERN PACIFIC, UNQUOTE, AND STATE THAT THE TWO COUNTRIES HAVE DECIDED TO START A JOINT STUDY NEXT YEAR BECAUSE THE WEATHER CONDITION IN THE PHILIPPINES IS IDEAL FOR THE EXPERIMENT. CONTEXT MAKES IT CLEAR THAT THIS IS NOT STORMFURY.

2. ON MAKING LOCAL INQUIRY, EMBOFF WAS INFORMED THAT INFORMATION ON THE PLANS HAD COME FROM THE PHILIPPINE WEATHER BUREAU ON A PROFESSIONAL INTERCHANGE OF INFORMATION BASIS, AND THAT THIS IS A PHILIPPINE, NOT REPEAT NOT JOINT PROJECT. STORM CLOUD SEEDING WILL BE DONE BY PHILIPPINE AIR FORCE PLANES. THERE IS SOME LOCAL CONCERN THAT PLANNED SAFETY LIMITS ARE NOT ADEQUATE TO PROTECT TAIWAN.

3. IN COURSE OF DISCUSSIONS, IT WAS REITERATED THAT ROC IS STILL OFFERING FULL COOPERATION IN STORMFURY WHEN IT GETS UNDERWAY.

4. WOULD APPRECIATE CONFIRMATION AND ANY FURTHER UNCLASSIFIED

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PAGE 02 TAIPEI 03450 160235Z

RELEVANT INFORMATION WHICH IS AVAILABLE.
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TYPHOOON MODIFICATION EXPERIMENT

Date: 1975 June 19, 06:29 (Thursday)
Original Classification: LIMITED OFFICIAL USE
Executive Order: N/A or Blank
Handling Restrictions: N/A or Blank
TAGS: PINR - Political Affairs--Intelligence | RP - Philippines | TPHY - Technology and Science--Physical Sciences | XE - East Asia
Enclosure: N/A or Blank
Office Origin: N/A or Blank
Office Action: ACTION OES
From: PHILIPPINES MANILA

To: SECRETARY OF STATE | TAIWAN TAIPEI CITY

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PAGE 01 MANILA 08386  190822Z

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ACTION OES-04

INFO OCT-01 EA-06 ISO-00 EB-07 COME-00 DODE-00 CIAE-00

INR-07 NSAE-00 L-03 IO-10 ACDA-05 /043 W
---------------------- 095315
R 190629Z JUN 75
FM AMEMBASSY MANILA
TO AMEMBASSY TAIPEI
INFO SECSTATE WASHDC 4688

LIMITED OFFICIAL USE MANILA 8386
E.O. 11652: N/A
TAGS: TPHY, RP, XE
SUBJECT: TYPHOON MODIFICATION EXPERIMENT

REF: A) TAIPEI 3450; B) MANILA 7515

1. EMBASSY CAN ADD LITTLE TO INFO REF B OTHER THAN FACT THAT FILIPINOS HAVE CARRIED OUT CLOUD SEEDING EXPERIMENTS IN PAST AND HAVE REPORTED TO EMBASSY THEY WILL CONTINUE TO DO SO ON A SMALL SCALE, ALTHOUGH DETAILS ARE NOT AVAILABLE.

2. EMBASSY WILL CONTINUE TO MONITOR GOP PROGRAM AND ADVISE AMEMBASSY TAIPEI OF SCOPE OF EXPERIMENTS.

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PHILIPPINE MISSILE TEST

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PAGE 01 MANILA 13144 180321Z

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ACTION EA-09

INFO OCT-01 ISO-00 SAM-01 OES-03 NASA-01 ACDA-05 OMB-01

/021 W
-------------- 014209
R 180246Z SEP 75
FM AMBASSADY MANILA
TO SECOSE WASHGDC 7643
INFO DOD
CINCPAC
AMBASSADY TAIPEI
1. On September 7, President and Mrs. Marcos witnessed the firing of four Philippine-made rockets at a beach site near La Paz on the northwest coast of Luzon. On the following day the Manila press gave front page coverage to the event, including a photo of the presidential party in hard hats watching the blast-off from a sandbag bunker. Press accounts of the launching of "our very own...ballistic missiles" noted that they went "roaring two kilometers into the sky before plummeting into the South China Sea some 10 to 12 kilometers away."

2. The four "missiles" were fired one at a time from what the press called a mobile rocket pad. A photograph of the launching shows what appears to be a 2-1/2 ton flat-bed truck with an approximately 20 ft. long single launch rail on the rear. The rocket (photographed in flight) appears to be about six feet long and is fin stabilized.

3. The rockets are the joint product of the Philippine Armed Forces and the National Science Development Board. President Marcos, in remarks following the launching tests, noted the role of the rockets in the self-reliance defense program and added that they could be used against "invading seacraft or planes."

4. Although press accounts did not refer to the sensitive question of weather modification, it will be recalled that earlier Philippine rocket programs have been described by GOP sources as efforts to develop a vehicle for cloud seeding and typhoon control. This latest launch event suggests that the local state of the art is still not much beyond the Roman candle stage (photos show no evidence of any associated guidance or other electronic
GEAR), AND THAT "OUR OWN BALLISTIC MISSILE" IS STILL ON THE DRAWING PAD.

SULLIVAN

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IMPLEMENTATION OF PROJECT STORMFURY

Date: 1975 September 25, 19:58 (Thursday)
Original Classification: UNCLASSIFIED
Current Classification: UNCLASSIFIED
Handling Restrictions: -- N/A or Blank --
Character Count: 2238
Executive Order: -- N/A or Blank --
Locator: TEXT ON MICROFILM, TEXT ONLINE
Tags: JA - Japan; Okinawa; | SENV - Social Affairs - Environment | US - United States
Enclosure: -- N/A or Blank --
Office Origin: ORIGIN COM
Office Action: -- N/A or Blank --
From: DEPARTMENT OF STATE
To: CHINA BEIJING | CHINA HONG KONG | CHINA UNITED STATES LIAISON OFFICE Peking |
COMMANDER IN CHIEF US PACIFIC COMMAND |
COMMANDER IN CHIEF US PACIFIC COMMAND REPRESENTATIVE | JAPAN TOKYO |
PHILIPPINES MANILA | SOUTH KOREA SEOUL | TOKYO |
GENEVA | TAIWAN TAIPEI CITY | THAILAND |
BANGKOK | UNITED KINGDOM LONDON |
UNITED NATIONS (GENEVA)

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ORIGIN COME-00

INFO OCT-01 EUR-12 EA-09 I0-10 ISO-00 OES-05 ACDA-10 NSF-02

PM-04 L-03 CIAE-00 INR-07 NSAE-00 DODD-00 /063 R

DRAFTED BY NOAA:JBIRD
APPROVED BY OES/APT/SA:RGMMORRIS
EA/RA:JZEROLIS
NOAA/I:NJOHSON
The following telegram is being sent by Dr. White, administrator of NOAA, to Dr. Mohri, head of JMA, quote:

Concerning my letter of 2 July we would appreciate your consideration of a visit by NOAA scientists to present and discuss results of significant advances in modeling of hurricanes with specific relevance to points raised by JMA with the U.S. Embassy. NOAA proposes visit by five scientists, Dr. W. N. Hess, director, Environmental Research Laboratories; Mr. M.C. Williams, acting director, Weather Modification Program Office; Dr. N.E. Laseur, director, National Hurricane and Experimental Meteorology Laboratory (NHEML); Dr. S. L. Rosenthal,
CHIEF, MODELING GROUP, NHML: AND DR. R. E. GENTRY, CONSULTANT TO NHML. SUGGEST VISIT DURING PERIOD OCTOBER 27-NOVEMBER 1 FOR SCIENTIFIC DISCUSSIONS WITH JMA AND OTHER INTERESTED SCIENTISTS ON SIGNIFICANT, NEW MODELING RESULTS PLUS RESULTS OF ANALYTICAL STUDIES OF DATA FROM UNSEEDED TYPHOONS OBTAINED IN THE PAST FEW MONTHS. END QUOTE.

2. IF DR. MOHRI AGREES WITH THE PROPOSED VISIT, SCICOUNS INVITED TO ACCOMPANY NOAA DELEGATION DURING THEIR VISIT WITH THE JMA.

3. DEPARTMENT AND NOAA WOULD APPRECIATE REPORT ON JMA REACTION TO WHITE TELEGRAM. KISSINGER

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<< END OF DOCUMENT >>

References to this document in other cables

1975MANILA13615
1975STATE238630
1975TOKYO13890

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