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No. W/GIS

Geneva, 15 September 1982

Annexes: 2

Subject: Monthly letter on the operation of the World Weather Watch (September 1982)

Action required: To be noted and brought to the attention of appropriate operational units

Dear Sir/Madam,

As indicated in my letter PR-3398 of 26 March 1982, all the information on changes to the operation of the World Weather Watch is now to be assembled and distributed by the Secretariat on a monthly basis to facilitate updating and follow-up action.

Attached, you will find annexes providing the latest WWW operational information. Those items and sub-items for which information is provided are listed below:

Annex I - Global Observing System

- A. GOS regulatory or guidance material
 - 1. Changes in the allocation of station index numbers
- C. Information on operational status of elements of the surface-based sub-system
 - 1. Publication No. 9, Volume A - Stations
 - 1.1 New stations
 - 1.3 Changes to existing stations

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To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-3477)
Directors of Meteorological Services of non-Member countries (MC-2229)
President and Vice-President of CBS
President and Vice-President of CAeM
Chairmen of CBS Working Groups
Secretary-General of ICAO
Director-General of ASECNA
Director of ECMWF

Annex III - Global Telecommunication System

A. GTS Regulatory or guidance material

1. Guidance material on meteorological telecommunications

E. Updating of Manual on GTS in respect of the exchange lists

1. Global exchange lists (Manual on the GTS, Volume I, Part I, Attachment 1-4)

1.2 Deleted stations

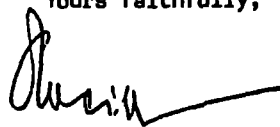
C. Information on the Operations of GTS

6. Coastal radio stations (Publication No. 9, Volume D, Part B)

6.1 New stations

Your co-operation in ensuring that the above information reaches the appropriate operational units of your service is greatly appreciated. If you wish to receive additional copies of the monthly circular letter, please inform me accordingly.

Yours faithfully,



for the Secretary-General
(G.K. Weiss)
Director
World Weather Watch Department

| | | | | |
|---------------------------------|---------|---------|-------|-------|
| DGHA PORT | 25°16'N | 51°33'E | 40426 | 41168 |
| CGHA International Airport | 25°15'N | 51°34'E | 40428 | 41170 |
| UM SAID | 24°54'N | 51°33'E | 40429 | 41176 |
| RAS AL KHAIMAH | | | | |
| International Airport | 25°37'N | 55°56'E | 40452 | 41184 |
| • DUBAI International Airport | 25°15'N | 55°20'E | 40448 | 41194 |
| • SHAKJAH International Airport | 25°26'N | 55°31'E | 40449 | 41196 |
| • ABU DHABI Bateen Airport | 24°26'N | 54°27'E | 40445 | 41216 |
| • MEDINA ZAYED | 23°37'N | 53°38'E | 40442 | 41226 |
| KHAASSAB | | | | |
| bURAIMI | 24°15'N | 55°56'E | 40460 | 41244 |
| SUHAR | 24°21'N | 56°43'E | 40461 | 41246 |
| SAIQ | 23°06'N | 57°38'E | 40465 | 41254 |
| SEEB International Airport | 23°35'N | 58°17'E | 40462 | 41256 |
| SUR | 22°35'N | 59°30'E | 40468 | 41268 |
| MASIRAH | 20°40'N | 56°54'E | 40564 | 41288 |
| THUMRAIT | 17°44'N | 53°56'E | 40474 | 41314 |
| SALALAH | 17°02'N | 54°05'E | 40575 | 41316 |
| SANA'A | | | | |
| MARIB | 15°31'N | 44°11'E | 40576 | 41344 |
| HODEIDAH | 15°26'N | 45°20'E | 40577 | 41350 |
| MUKHA | 14°45'N | 42°59'E | 40578 | 41360 |
| TAIZ | 13°15'N | 43°17'E | 40579 | 41382 |
| | 13°41'N | 44°08'E | 40580 | 41390 |
| THAMUD | | | | |
| AL-GHEIDA | 17°22'N | 50°57'E | 40582 | 41414 |
| KAMARAN | 16°05'N | 52°05'E | 40584 | 41428 |
| SEIYUN | 15°22'N | 42°35'E | 40588 | 41430 |
| ATAQ | 15°59'N | 48°57'E | 40583 | 41436 |
| RIYAN | 14°31'N | 46°51'E | 40585 | 41444 |
| ADEN KHORMAKSAR | 14°35'N | 49°15'E | 40586 | 41448 |
| SOCOTRA | 12°50'N | 45°02'E | 40597 | 41467 |
| | 12°38'N | 53°54'E | 40599 | 41499 |

*(ii) Stations planned to be established

| Station Name | Latitude | Longitude | Present index number | New index number as from 1 January 1983 |
|-------------------------------------|----------|-----------|----------------------|---|
| MUWALH | 22°43'N | 41°37'E | 40450 | 41006 |
| OBAYLAH | 22°00'N | 49°55'E | 40454 | 41014 |
| SHAWALAH | 22°20'N | 54°00'E | 40456 | 41016 |
| SHAKURAH | 17°30'N | 47°20'E | 40571 | 41136 |
| ABU DHABI New International Airport | 24°26'N | 54°39'E | 40446 | 41217 |
| IBRI | 23°15'N | 56°31'E | 40464 | 41252 |
| MINA QABOUS | 23°35'N | 58°28'E | 40463 | 41258 |
| FAHU | 22°13'N | 56°30'E | 40469 | 41262 |
| NIZWA | 22°55'N | 57°33'E | 40466 | 41264 |
| IBRA | 22°43'N | 58°36'E | 40467 | 41266 |
| GHABA | 21°20'N | 57°19'E | 40470 | 41274 |
| HAJMA | 19°57'N | 56°21'E | 40472 | 41294 |
| DUGM | 19°45'N | 57°38'E | 40473 | 41296 |
| RAYSUT | 16°55'N | 53°55'E | 40475 | 41312 |

Annex 1 - Global Observing System

Date: 15 September 1982

A. GOS regulatory or guidance material

1. Changes in the allocation of station index numbers

The acting President of Regional Association II - Asia has formally approved on behalf of the Association the following allocations of ranges of station index numbers (Iiiii) to countries in the Arabian peninsula:

| <u>Countries</u> (in numerical order) | <u>Allocated ranges</u> |
|--|--|
| Saudi Arabia | (40350 - 40549 (stations north of latitude 23°N) (41000 - 41149 (stations south of latitude 23°N) |
| Kuwait | 40550 - 40599 |
| Bahrain | 41150 - 41159 |
| Qatar | 41160 - 41179 |
| United Arab Emirates | 41180 - 41239 |
| Oman | 41240 - 41319 |
| Yemen | 41320 - 41399 |
| Democratic Yemen | 41400 - 41499 |

The above allocations will be effective as from 1 January 1983. All synoptic stations in the Arabian peninsula, except Saudi Arabian stations north of latitude 23°N, will be renumbered as from that date. A consolidated list of changes to index numbers which have been notified to the Secretariat is given below. The information which was not included in the previous monthly letters is flagged by an asterisk.

(i) Stations in operation

| <u>Station Name</u> | <u>Latitude</u> | <u>Longitude</u> | <u>Present index number</u> | <u>New index number as from 1 January 1983</u> |
|--------------------------------------|-----------------|------------------|-----------------------------|--|
| JEDDAH (King Abdulaziz Int. Airport) | 21°40'N | 39°09'E | 40476 | 41024 |
| JEDDAH | 21°30'N | 39°12'E | 40477 | 41026 |
| TAIF | 21°29'N | 40°32'E | 40480 | 41036 |
| • AL BAHA | 20°18'N | 41°38'E | 40485 | 41055 |
| SULAYIL | 20°26'N | 45°40'E | 40495 | 41062 |
| BISHA | 19°58'N | 42°40'E | 40498 | 41084 |
| ABHA | 18°08'N | 42°23'E | 40568 | 41112 |
| KHAMIS MUSHAIT | 18°18'N | 42°48'E | 40569 | 41114 |
| NAJRAN | 17°36'N | 44°25'E | 40570 | 41128 |
| GIZAN | 16°52'N | 42°35'E | 40572 | 41140 |
| ABDALY | 30°05'N | 47°42'E | 40366 | 40550 |
| WARBA | 30°00'N | 48°06'E | 40368 | 40552 |
| UMM AL-AISH | 29°48'N | 47°46'E | 40364 | 40564 |
| BUGIYAN | 29°47'N | 48°22'E | 40378 | 40568 |
| AL-SALMI | 29°07'N | 46°40'E | 40377 | 40570 |
| EXPERIMENTAL FARM | 29°17'N | 47°56'E | 40365 | 40580 |
| SHUWAIKH | 29°20'N | 47°57'E | 40371 | 40581 |
| KUWAIT International Airport | 29°13'N | 47°59'E | 40372 | 40582 |
| AHMADI | 29°06'N | 48°08'E | 40367 | 40583 |
| FAHAHEEL | 29°04'N | 48°09'E | 40369 | 40584 |
| AL-SHUAIBA | 29°02'N | 48°09'E | 40379 | 40585 |
| FAILAKA Island | 29°28'N | 46°17'E | 40370 | 40588 |
| AL-WAFRA | 28°34'N | 46°04'E | 40380 | 40592 |
| AL-NWAISEEB | 28°30'N | 46°28'E | 40382 | 40594 |
| UMM-AL-MARADIM | 28°41'N | 46°39'E | 40381 | 40596 |
| BAHRAIN MUHARRAQ | 26°16'N | 50°37'E | 40427 | 41150 |

| | | | | |
|----------|---------|---------|-------|-------|
| SA'ADA | 16°58'N | 43°43'E | 46573 | 41324 |
| AL-HAZM | 16°12'N | 44°47'E | 46596 | 41326 |
| ABBS | 15°50'N | 43°26'E | 46574 | 41341 |
| DHAMAR | 14°36'N | 44°24'E | | 41370 |
| AL-BAYDA | 14°00'N | 45°39'E | 40581 | 41376 |

C. Information on operational status of elements of the surface-based sub-system

1. Publication No. 9; Volume A - Stations

1.1. New stations

| | | | | | | | |
|-----------------------|-------|-------|----|-----|--|-----------------|-----------|
| G1169 SALTAL | 6651N | 1519E | - | 81 | | . . X . X . X . | / |
| G1252 BERKAK-LYNGHGLT | 6249N | 1001E | - | 475 | | . X X . X . X . | / |
| O1280 NAMDALSEID | 6415N | 1112E | - | 86 | | . . X . X . X . | / |
| O2439 FINNAKER | 5932N | 1535E | 52 | 51 | | X X X X X X X X | / |

1.3. Changes to existing stations

| | | | |
|-------------------------|-----------------|-----------|--|
| 71145 ISLAND LAKE, MAN. | | P . P P / | |
| 71625 PETAWAWA, ONT. | X . X . X . X . | H06-24 / | |
| 71834 GERALDTON, ONT. | X . X . X . X . | H00-24 / | |
| 71884 CASTLEGAR, B.C. | | H13-04 / | |
| 71904 QUATAQ, QUE. | X X X X X X X X | H09-21 / | |
| 71912 GILLAM, MAN. | X . X . X . X . | H11-06 / | |

A. GTS regulatory or guidance material1. Guidance material on meteorological telecommunications

The following contributions for guidance material on meteorological telecommunications, which would assist Members in developing their meteorological telecommunication centres and circuits, are now available in the Secretariat. Contributions of a length up to 10 pages could be ordered from the WMO Secretariat. Contributions of a length exceeding 10 pages should be ordered directly from the source.

| <u>Contribution No.</u> | <u>Topic</u> | <u>Source</u> | <u>Available in (Language)</u> | <u>No. of pages</u> |
|-------------------------|---|---|--------------------------------|---------------------|
| 1 | Hydrological data collection from Swedish mountain areas | Swedish Meteorological and Hydrological Institute | English | 5 |
| 2. | The use of ARGOS system for transmission of ships' weather reports | Swedish Meteorological and Hydrological Institute | English | 5 |
| 3. | Non-coded digital facsimile | Bundesamt für Zivilluftfahrt Austria | English | 1 |
| 4. | V. 29 Applications | Bundesamt für Zivilluftfahrt Austria | English | 2 |
| 5. | Telecommunication aspects of meteorological satellites; Description of the missions: - Broadcast of images - Broadcast of pre-processed information - Collection of data from remote stations | ESA, ESOC Darmstadt, Federal Rep of Germany | English | 15 |
| 6. | Digital facsimile | Meteorological Office, U.K. | English | 4 |
| 7. | Autosat Raster Display | Meteorological Office, U.K. | English | 3 |

B. Updating of Manual on GTS in respect of exchange lists1. Global exchange lists (Manual on the GTS, Volume I, Part I, Attachment I-4)1.2 Deleted stations

SYNGP: 71884 at 00,06,12,18 GMT

C. Information on the operations of GTS

6. Coastal radio stations (Publication No. 9, Volume L, Part B)

6.1 New stations

CALLAO (PERU) (06C3) 12°03'S 77°09'W

Hours of operations: 0000-2400

| <u>Class of emission</u> | <u>Receiving frequencies</u> | <u>Transmitting frequencies</u> |
|--------------------------|------------------------------|---------------------------------|
| A1A | 500 kHz | 500 kHz |
| A1A | 8363.2-8366.4 kHz | 8546 kHz |
| A1A | 12544.8-12549.6kHz | 13015.5 kHz |
| H3E J3E | 2182 kHz | 2739 kHz |
| J3E | 4125 kHz | 4125 kHz |
| J3E | 8257 kHz | 8728.2 kHz |
