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Annexes: 2

GENEVA, 31 October 1990

Subject : Monthly letter on the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) (October 1990)

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

Dear Sir/Madam,

As you are aware, all the information on changes to the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) is being assembled and distributed by the Secretariat on a monthly basis to facilitate updating and follow-up action.

In this connection, please find attached the annexes providing the latest operational information on WWW and MMS. Those items and sub-items for which information is provided are listed below:

Annex I - Global Observing System

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

1. Publication No. 9, Volume A - Stations

- 1.1 New stations
- 1.5 Temporary changes

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-4552)
Directors of Meteorological Services of non-Member countries (MC-2437)
Presidents and Vice-Presidents of Regional Associations (P.RA-1261)
Presidents and Vice-Presidents of Technical Commissions (P.TC-1379)
Chairmen of CBS Working Groups
Secretary-General of ICAO
Director-General of IATA
Secretary of IOC
Director-General of ASECNA
Director of ECMWF

3. Mobile sea stations
 - 3.2 Automated Shipboard Aerological Programme (ASAP)
4. Automatic marine stations
5. ARGOS service
 - 5.1 ARGOS monthly status report
6. Feed-back from Members to the Secretariat on any changes in the observing network

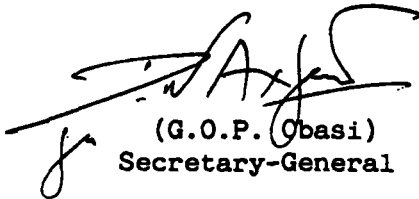
Annex III - Global Telecommunication System

- C. Information on the operation of the GTS
 1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I)
 - 1.2 Deleted bulletins
 - 1.3 Changes to bulletins
 2. Transmission schedules (Publication No.9, Volume C, Chapter II)
 - 2.3 Changes in schedules/technical specifications
 8. Bulletins relating to the state of the Ozone Layer over Antarctica
- D. Monitoring of the operation of the WWW

The CBS Advisory Working Group recommended that a special table should be added to the monthly letter to report changes of the present status of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations. You will note, therefore, that a new item, number 6, "Feed-back from Members to the Secretariat on any changes in the observing network" has been added to Annex I - Global Observing System.

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 the Secretariat accordingly.

Yours faithfully,



(G.O.P. Obasi)
Secretary-General

Moored Buoys (North-west Atlantic Ocean):

<u>WMO buoy Identifier</u>	<u>Argos Identifier</u>	<u>Position 21 September 1990</u>		<u>Observed or technical parameters</u>								
				<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	
44137	03449	41°12'N	061°08'W	.	X	X	X	X	X	X	X	X
44138	03434	44°13'N	053°36'W	X	X	X	X	X	X	X	X	X
44139	03448	44°19'N	057°22'W	X	X	X	X	X	X	X	X	X
44140	05576	42°44'N	050°36'W	X	X	X	X	X	X	X	X	X
44141	05579	42°07'N	056°07'W	X	X	X	X	X	X	X	X	X
44142	05578	42°30'N	064°12'W	X	X	X	X	X	X	X	X	X

Moored Buoys (Great Lakes):

<u>WMO buoy Identifier</u>	<u>Position 19 September 1990</u>		<u>Observed or technical parameters</u>								
			<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	
45132	42°28'N	081°13'W	X	X	X	X	X	X	X	X	X
45135	43°51'N	078°20'W	X	X	X	X	X	X	X	X	X
45136	48°32'N	086°57'W	X	X	X	X	X	X	X	X	X
45137	45°33'N	081°01'W	X	X	X	X	X	X	X	X	X

Drifting buoys (Arctic Icepack):

<u>WMO buoy Identifier</u>	<u>Argos Identifier</u>	<u>Position 19 September 1990</u>		<u>Observed or technical parameters</u>								
				<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	
48544	07412	83°55'N	078°58'W	.	.	X

Drifting buoys (North-east Pacific Ocean):

<u>WMO buoy Identifier</u>	<u>Argos Identifier</u>	<u>Position 19 September 1990</u>		<u>Observed or technical parameters</u>								
				<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	
46632	12511	44°00'N	147°43'W	*	X	X	.	X	.	.	.	*
46681	07135	49°60'N	169°07'W	.	X	X	.	X	.	.	.	.
46687	07138	40°34'N	142°08'W	.	X	X	.	X	.	.	.	.
46693	07140	34°48'N	142°49'W	.	X	X	.	X	.	.	.	.

- Sensor/system failure

Drifting buoys (North-east Pacific Ocean) continued:

WMO buoy Identifier	Argos Identifier	Position 19 September 1990	Observed or technical parameters							
			1	2	3	4	5	6	7	8
46694	07141	25°42'N 140°40'W	.	X	X	.	X	.	.	.
46695	07142	30°30'N 146°47'W	.	X	X	.	X	.	.	.
46697	07144	27°47'N 148°30'W	*	X	X	.	X	.	.	*
46704	07128	47°31'N 157°21'W	.	X	X	X	X	.	.	.
46705	07129	48°16'N 152°46'W	.	X	X	X	X	.	.	.
46706	07130	42°05'N 139°42'W	.	X	X	X	X	.	.	.
46707	07131	33°00'N 127°55'W	.	X	X	X	X	.	.	.

Drifting buoys (North-west Atlantic Ocean):

WMO buoy Identifier	Argos Identifier	Position 26 September 1990	Observed or technical parameters							
			1	2	3	4	5	6	7	8
44663	09234	50°42'N 053°34'W	.	X	X	.	X	.	.	.
44664	09235	52°26'N 053°54'W	.	X	X	.	X	.	.	.

* Sensor/system failure.

United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the October 1990 Data Platform Status Report of the Data Buoy Centre of the National Oceanic and Atmospheric Administration (NOAA). Data from moored buoys and platforms are collected by geostationary meteorological satellites and reports are distributed on the GTS in SHIP code. Data from drifting buoys are collected by the Argos system and distributed on the GTS in DRIBU code.

Legend

<u>Column</u>	<u>Observed or technical parameters</u>
1	Wind direction and speed
2	Air temperature
3	Pressure
4	Pressure tendency
5	Sea-surface temperature
6	Wave period and height
7	Wave spectra
8	Drogued

Moored buoys:

WMO buoy Identifier	Position		Observed or technical parameters						
	01 October 1990		1	2	3	4	5	6	7
32302	18°00'S	085°06'W	*	*	*	*	*	*	*
41001**	34°54'N	073°00'W	X	X	X	X	X	X	X
41002**	32°18'N	075°12'W	X	X	X	X	X	*	*
41006**	29°18'N	077°24'W	X	X	X	X	X	X	X
41008	30°42'N	081°06'W	X	X	X	X	X	X	X
41009	28°30'N	080°12'W	X	X	X	X	X	X	X
41010	28°54'N	078°30'W	X	X	X	X	X	X	X
42001**	25°54'N	089°42'W	X	X	X	X	X	X	X
42002**	25°54'N	093°18'W	X	X	X	X	X	X	X
42003**	25°54'N	085°54'W	X	X	X	X	X	X	X
42007	30°06'N	088°48'W	X	X	X	X	X	.	.
42015	30°12'N	088°12'W	X	X	X	X	X	X	X
42016	30°12'N	088°06'W	X	X	X	X	X	X	X
42019	27°54'N	095°00'W	X	X	X	X	X	X	X
42020	27°00'N	096°30'W	X	X	X	X	X	X	X
44001	38°24'N	073°36'W	X	X	X	X	X	X	X
44004**	38°30'N	070°36'W	X	X	X	X	X	X	X
44005**	42°42'N	068°36'W	X	X	X	X	X	X	X
44007**	43°30'N	070°06'W	X	X	X	X	X	X	X
44008**	40°30'N	069°30'W	X	X	X	X	X	X	X
44009**	38°30'N	074°36'W	X	X	X	X	X	X	X
44011**	41°06'N	066°36'W	X	X	X	X	X	X	X
44012**	38°48'N	074°36'W	X	X	X	X	X	X	X
44013**	42°24'N	070°48'W	*	X	X	X	X	X	X
44015	37°06'N	073°36'W	X	X	X	X	X	X	X
45001**	48°00'N	087°42'W	X	X	X	X	X	X	X
45002**	45°18'N	086°24'W	X	X	X	X	X	X	X
45003**	45°18'N	082°42'W	X	X	X	X	X	X	X
45004**	47°30'N	086°30'W	X	X	X	X	X	X	X
45005**	41°42'N	082°24'W	X	X	X	X	X	X	X
45006**	47°18'N	089°54'W	X	X	X	X	X	X	X
45007**	42°42'N	087°06'W	X	X	X	X	X	X	X
45008**	44°18'N	082°24'W	X	X	X	X	X	X	X
46001**	56°18'N	148°18'W	X	X	X	X	X	X	X

* Sensor/system failure.

** Primarily for National Weather Service (NWS) support; however, all stations report data to NWS.

Moored buoys (continued):

WMO buoy Identifier	Position		Observed or technical parameters						
	01	October 1990	1	2	3	4	5	6	7
46002**	42°30'N	130°24'W	X	X	X	X	X	X	X
46003**	51°54'N	155°54'W	X	X	X	X	X	X	X
46005**	46°06'N	131°00'W	*	*	*	*	*	*	*
46006**	40°48'N	137°42'W	X	X	X	X	X	X	X
46010**	46°12'N	124°12'W	X	X	X	X	X	X	X
46011	34°54'N	120°54'W	X	X	X	X	X	X	X
46012	37°24'N	122°42'W	X	X	X	X	X	X	X
46013	38°12'N	123°18'W	X	X	X	X	X	X	X
46014	39°12'N	124°00'W	X	X	X	X	X	X	X
46022	40°48'N	124°30'W	X	X	X	X	X	X	X
46023	34°18'N	120°42'W	X	X	X	X	X	X	X
46025	33°42'N	119°06'W	X	X	X	X	X	X	X
46026**	37°48'N	122°42'W	X	X	X	X	X	X	X
46027**	41°48'N	124°24'W	*	X	X	X	X	X	X
46028	35°48'N	121°54'W	X	X	X	X	X	X	X
46030	40°24'N	124°30'W	X	X	X	X	X	X	X
46035	57°00'N	177°42'W	X	X	X	X	X	X	X
46040	44°48'N	124°18'W	X	X	X	X	X	X	X
46041	47°24'N	124°30'W	X	X	X	X	X	X	X
46042	36°48'N	122°24'W	X	X	X	X	X	X	X
51001**	23°24'N	162°18'W	X	X	X	X	X	X	X
51002**	17°12'N	157°48'W	*	*	*	*	*	*	*
51003**	19°12'N	160°48'W	X	X	X	X	X	X	X
51004**	17°30'N	152°36'W	X	X	X	X	X	X	X
52009**	13°12'N	144°30'E	X	X	X	X	X	X	X

Drifting buoys:

WMO buoy Identifier	Argos Identifier	Position		Observed or technical parameters							
		01	October 1990	1	2	3	4	5	6	7	8
14803	08844	25°S	051°E	.	X	X	.	X	.	.	.
14804	08845	23°S	057°E	.	X	X	.	X	.	.	.
17803	05571	40°S	086°E	X	*	X	.	X	.	.	X
17804	12300	43°S	036°E	.	*	X	.	X	.	.	.

* Sensor/system failure.

** Primarily for National Weather Service (NWS) support; however, all stations report data to NWS.

Drifting buoys (continued):

WMO buoy Identifier	Argos Identifier	Position 01 October 1990		Observed or technical parameters							
				1	2	3	4	5	6	7	8
17805	12304	44°S	043°E	.	*	X	.	X	.	.	.
32814	07491	18°S	085°W	.	X	X	.	X	.	.	.
33824	08966	41°S	024°E	.	X	X	.	X	.	.	.
33826	12296	55°S	014°W	.	X	X	.	X	.	.	.
33827	12297	48°S	000°E	.	X	X	.	X	.	.	.
33828	12298	47°S	007°E	.	X	X	.	X	.	.	.
54829	06762	35°S	157°W	.	*	X	.	X	.	.	.
54830	06763	50°S	145°W	.	X	X	.	X	.	.	.
54831	06764	50°S	139°W	.	X	X	.	X	.	.	.
54832	06585	44°S	168°W	X	X	X	.	X	.	.	X
54833	06586	49°S	145°W	X	X	X	.	X	.	.	X
54834	06583	37°S	162°W	X	X	X	.	X	.	.	X
54835	06731	32°S	156°W	.	X	X	.	X	.	.	.
55802	08843	16°S	068°E	.	X	X	.	X	.	.	.
56829	09222	18°S	053°E	.	X	X	.	X	.	.	.
56830	12290	23°S	094°E	.	X	X	.	X	.	.	.

- Sensor/system failure.

5. ARGOS service5.1 ARGOS monthly status report

As at 3 October 1990, the Argos service was handling reports from 627 drifting buoys, 141 moored buoys, 4 balloons, 0 ships, 132 animal trackings, 414 fixed stations, 421 boats and 49 miscellaneous platforms. DRIBU reports from 60 drifting buoys, SHIP reports from 32 selected ship and BATHY reports from 23 selected ships were transmitted to the RTH Paris and DRIBU reports from 231 moored and drifting buoys were transmitted to the WMC Washington for insertion into the GTS. The list of platforms reporting through Argos and distributed over the GTS follows:

DRIBU code:

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>	
Australia	55558+	00416	
	56001	04873	
	56501	02934	
	56542	02944	
	56544	02935	
	56546	02951	
	56547	04870	
	56548	04871	
	56549	04872	
	VJBQ*		
	GQEK*		
	GYSE*		
	France	44609	05799
		62503	05790
		62512+	05824
62513		05829	
62515		05832	
62516		05833	
62551		00200	
62552		00201	
62553		00205	
62554		00213	
62555		00219	
62556		00228	
62557		00232	
62558		00237	
62559		00239	
62561		00242	
62562		00243	
62563		00322	
62564		00324	
62565	00329		
62566	00333		
62567	00340		
62568	00341		
62569	00344		

+ PTT's which were removed during the month.

* PTT's transmitting at irregular intervals.

DRIBU code (continued):

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>	
France (continued)	62570	00346	
	62571	00348	
	62572	00351	
	62573	00362	
	62574	00207	
	62575	00323	
	62576	00325	
	62577	00337	
	62578	00350	
	62579	00352	
	62580	00356	
	62582	00363	
	62583	00364	
	62584	00361	
	64516	05796	
	64527	05822	
	A3BZ*		
	C6HL*		
	FNCZ*		
	FNGS*		
	FNJT*		
	FNOM*		
	FNQB*		
	FNZO*		
	FNZQ*		
	FPYO*		
	GYSA*		
	HPEW*		
	S6FK*		
	VMAP*		
	ZCLS*		
	FNZP*		
FWQP*			
3BBA*			
3EBD*			
9VUU*			

- PTT's transmitting at irregular intervals.

DRIBU code (continued):

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>	
Germany	71524	03315	
	71528	08056	
	71529	08057	
	71530	08058	
	71531	08059	
	71532	08060	
	71536	08064	
	71537	08065	
	71540	08068	
	Japan	52060	08718
52064		08724	
Netherlands	44615	03037	
	64564	03036	
New Zealand	55578+	06437	
	55579	06435	
	55580	06439	
	55582	07175	
	55583	07179	
	55584	07178	
	55585	07177	
	55586	07176	
	Norway	17001	01591
		17003	01758
44624		03722	
63002		09407	
63004		09403	
63512		01792	
64504		03674	
71001		01757	
74001		09405	

+ PTT's which were removed during the month.

DRIBU code (continued):

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
Portugal	62692	01078
	62693	01079
South Africa**	17512	09096
	17514	08263
	17520	09097
	17530	09093
	17531	08262
United Kingdom	44728	04039
	44729	06305
	44730	06298
	62606	03916
	62607+	03917
	62803	06299
United States of America	12847	11191
	13502	12413
	13507	12421
	13508	12422
	14803	08844
	14804	08845
	17804	12300
	17805	12304
	23508	12475
	23509	12476
	23510	12485
	25536	12780
	25537	12789
	31502	09844
	32514	10836
32518	11167	

** The Government of the Republic of South Africa has been suspended by Resolution 38 (Cg-VII) from exercising its rights and enjoying its privileges as a Member of WMO.

+ PTT's which were removed during the month.

DRIBU code (continued):

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	32520	11577
	32522	10808
	32523	10809
	32524	10842
	32525	11192
	32526	11193
	32527	10818
	32528	10820
	32529	11194
	32530	11546
	32531	10812
	32532	11897
	32537	10839
	32538	11172
	32539	11875
	32541	11656
	32545	10849
	32546	11160
	32547	11201
	32549	11163
	32550	11894
	32552	11195
	32553	10841
	32554	10840
	32560	11572
	32814	07491
	33823	08965
	33824	08966
	33826	12296
	33827	12297
	33828	12298
	41012	01602
	41014	01606
	41510	09845
41511	09846	
41512	09857	
41513	09853	
41514	09854	
43502	11168	
43503	11874	

DRIBU code (continued):

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	43504	11198
	43508	11171
	43509	10847
	43510	11628
	43511	03078
	43801	06898
	43805	10817
	44016	01605
	44017	01604
	44018	01603
	44020	01609
	44021	01608
	44022	01607
	44502	04570
	44504	04561
	44505	09878
	44506	04542
	44510	04530
	44514	12408
	44515	12409
	44517	12411
	44518	09841
	44519	09851
	44520	09856
	44521	12753
	44522	12754
	44524	12756
	44526	12735+
	44527	12736+
	44528	12737
	44529	12746
	44530	12740
	44531	12741+
	44532	12739
	44534	12745
	44535	12749
	44536	12744
	44537	12747
	44538	12748
44539	12751	

+ PTT's which were removed during the month.

DRIBU code (continued):

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	44540	12752
	47601	12785
	48518	12782
	48519	12783
	48536	07405
	51502	12642
	51511	06883
	51512	06884
	51513	11663
	51514	11568+
	51515	11678
	51516	11632
	51571	11663+
	51519	11646
	51520	11653
	51801	11197+
	51802	11650
	51803	11652
	51804	11660
	51805	11622
	51806	11625
	51808	11651
	51809	11199
	51811	11644
	51812	11657
	51813	11569
	51814	11682
	51815	11571
	51816	11620
	51817	11655
	51818	11630
	51819	11645
51821	11647	
51822	11870	
51823	11648	
51824	11685	
51825	11686	
51826	11871	
51827	11688	
51829	11202	

+ PTT's which were removed during the month.

DRIBU code (continued):

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>	
United States of America (continued)	51831	11689	
	51832	11691	
	51833	11872	
	51834	11170	
		51835	11638
		51837	11642
		51838	11177
		51840	11536
		51842	11540+
		51844	11542
		51845	11548
		51846	11692
		51848	11557+
		51849	11539
		51851	11547
		51852	11549+
		51853	11694
		51855	11705
		51856	11559
		51857	11570+
		51859	11581
		51860	11673
		51861	11558
		51863	11564
		51864	11566+
		51865	11623
		52005	01350
		52501	11760
		52502	11761
		52503	11762
		52504	11763
		52512	10593
		52521	11736
		52522	11737
		52523	11290
		52525	11729
		52526	11730
		52527	11731
		52802	10822
		52806	06880

+ PTTs's which were removed during the month.

DRIBU code (continued):

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	52807	10824
	52813	10835
	52827	10823
	52852	11629
	52853	11624
	52854	11626
	52855	11631
	52857	11640
	52858	11649
	52860	11659
	52861	11637
	52862	11560
	52864	11565
	52865	11567
	52866	11887
	52867	11893
	52868	11876
	52869	11880+
	52871	11889
	52872	11890
	52873	11892
	52875	11896
	52876	11881
	52877	11883
	52878	11885
	53807	11877
	53809	11886
	54829	06762
	54830	06763
	54831	06764
	54832	06585+
	54833	06586+
54834	06583+	
54835	06731	
55802	08843	

+ PTT's which were removed during the month.

DRIBU code (continued):

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
	56829	09222
	56830	12290
	62671	09847
	62672	09859
	64533	12786
	64539	12787

ATLAS buoys

Due to a change in the electronics (message format) of the ATLAS buoys, it was not possible to disseminate the data of the following buoys over the GTS:

<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
51006	06798
51007	06796
51008	06797
51009	06514
51011	06516
51012	06515
51013	06476
52001	06799
52003	12522
52004	12523
52006	12525

Whereas the data of the following ones (old-style electronics) have been distributed (some on an irregular basis):

<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
31317	06478
32315	06379
32316	06520
32318	06795
51010	06369
52002	06471
52301	06381
52302	06460

The new GTS software, able to handle all the ATLAS buoys, should be operational by the beginning of November 1990.

Note

Members operating Argos Local Users Terminals (LUTs) are invited to submit to the Secretariat by telex, the list of platforms entering reports into the GTS through their LUTs, effective on or around the 20th of each month.

6. Feed-back from Members to the Secretariat on any changes in the observing network

In view of the difficulties experienced at present in identifying non-implemented observing stations or implemented stations which are closed or suspended for a certain period, or stations making observations but not reaching their NMCs, the ninth session of the CBS Advisory Working Group recommended that a special table be added to the WWW monthly operational letter to serve as feed-back from Members to the Secretariat on any changes of the present state of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations.

The special table, accompanied by explanatory notes overleaf, is attached as an appendix to this annex. Members are urged to fill in this appendix, as and when appropriate, and to return it to the Secretariat before the 1st of each month to enable changes to be included in the next monthly letter.

Feed-back from Members to the Secretariat on any changes in the observing network
(explanatory notes overleaf)

Global Exchange/Regional Exchange (delete as appropriate)

Country: _____

Station index number	Bulletin identification TTAAii CCCC	Implementation of observing programme								Alternate observing station	Remarks
		00	03	06	09	12	15	18	21		

1. SYNOP

2. TEMP

3. PILOT

Explanatory notes for Feed-back from Members to the Secretariat on any changes in the observing network

1. Separate tables should be prepared for global exchange and regional exchange respectively. These tables should contain information concerning any changes of the present state of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations given in Attachment I-4 of the Manual on the GTS, Volume I for global exchange and, as applicable, Attachments AF-I, AI-1, SA-1, NA-1, PS-1 and EU-1 of the Manual on the GTS, Volume II for regional exchange.
2. For entries in these tables, the following should be taken into account:
 - (a) In the column "Station index number", the index number (IIiii) of each station should be entered in case of any changes in the observing programmes of the stations;
 - (b) In the column "Bulletin identification", the TTAAii CCCC of the abbreviated heading of the meteorological bulletins which contains reports from the station should be inserted;
 - (c) In the column "Implementation of observing programme", "X" for implementation and "-" for non-implementation should be inserted as appropriate. In order to easily identify changes in the programme, this should be marked in red;
 - (d) In the column "Alternate observing station", the index number (IIiii) of an alternate observing station should be inserted in case another station is available with a view to filling gaps which are caused by suspension of observing programmes of the original station;
 - (e) The required information concerning the observing programme of the alternate station should be inserted in the next horizontal line of the original station;
 - (f) In the column "Remarks", reasons of temporary suspension of observing programmes and an expected date of resumption of the programmes should be given as far as possible. Non-standard collection and/or distribution times should also be included.
3. These tables should be sent to the Secretariat before the 1st of the month for inclusion of the changes in the monthly operational letter, as appropriate.

Annex III - Global Telecommunication System

Date: October 1990

C. Information on the operation of the GTS

1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I)

1.2 Deleted bulletins

NMC Potsdam

Effective 1 October 1990 the following bulletins will no longer be used:

US/UK/UL/UEDD23 ETPD FM 35-IX

1.3 Changes to bulletins

NMC Potsdam

Effective 1 October 1990 the distribution of TEMP messages will be as follows:

US/UK/UL/UEDD01	ETPD	FM 35-IX	00	09184	09393	09548
US/UK/UL/UEDD03	ETPD	FM 35-IX	06, 12	09184	09393	09486 09548
US/UK/UL/UEDD02	ETPD	FM 35-IX	18	09393		

2. Transmission schedules (Publication No. 9, Volume C, Chapter II)

2.3 Changes in schedules/technical specifications

II-ii Seoul RTT broadcast. Effective 1 October 1990 changes.

8. Bulletins relating to the state of the Ozone Layer over Antarctica

Following the request of WMO Members, short bulletins prepared by the Secretariat containing information on the state of the ozone layer over Antarctica in plain language are being included, as available, into the METNO messages during August-September-October 1990.

Bulletins numbered 1, 2 and 3 were issued on 30 August, 12 and 20 September, numbers 4 and 5 on 4 and 18 October respectively. The bulletins are based on ozone data provided by the WMO global ozone observing system stations in the Antarctic operated by Argentina in cooperation with Finland (Marambio), Japan (Syowa) and USA (South Pole) and the NASA Total Ozone Mapping Spectrophotometer (TOMS). If quoted due credit should be given accordingly.

It is expected that this initiative will meet the numerous requests by Members for early information. It should be emphasized that the bulletin is based on provisional data provided by Members operating GAW-G030S stations and actual final values will be available in due time through the WMO World Ozone Data Centre. Thus, the information in this bulletin, although primarily provided for use of your National Service, can also be used in providing authoritative responses to public enquiries.

The collaboration of Members indicated in the bulletin who have provided the information is greatly appreciated.

D. Monitoring of the operation of the WWW

Antarctic

Following a recommendation of an Expert Meeting on Antarctic Telecommunications (Geneva, 18-21 December 1989), the WMO Secretariat will initiate a specific monitoring exercise on the exchange of Antarctic data from 1 to 14 February 1991; such monitoring exercises were initiated in the first and second weeks of December, last years.

Member countries which are parties to the Antarctic Treaty will be invited to participate in this specific monitoring.