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# N E W S

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## THE GATE INTERNATIONAL OPERATIONS PLAN

Various parts of the GATE International Operations Plan have been drafted and are being prepared for publication by the ISMG. The plan is expected to be fully completed by the time of the TEB-VI meeting scheduled for April 1974. The total plan will consist of the following parts:

- Part I - General
- Part II - Ship Operations Plan
- Part III - Aircraft Operations Plan
- Part IV - Satellite Operations Plan
- Part V - Telecommunications Plan
- Part VI - Operations Support Plan
- Part VII - Data Management Plan

The GATE News will present highlights of these plans in succeeding issues.

## THE SHIP OPERATIONS PLAN

The Ship Operations Plan was approved at TEB-V in December 1973 with only minor changes and is the basis for the operations directives for the ships of all nations participating in GATE. The plan establishes international requirements and will be supplemented by national operations plans now in preparation.

The plan is based on the GATE Central Program and the scientific subprograms. During the preparation of this plan, the existing capabilities of the participating ships have been taken into account so as to optimize their contributions to the experiment. The contents of the plan are listed on page 2 of this issue.

Specific information on the details of the Ship Operations Plan may be obtained from the Operations Group, U.S. GATE Project Office (Tel: 301-496-8416). See GATE News No. 5 for a listing of the Operations Group personnel.

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# GATE CALENDAR - 1973-74

October 1973			November 1973			December 1973		
8-12 ISMG Telecom Mtg. (Geneva) 8-12 ISMG/SCOR Oceano. Mtg. (Paris) 16-19 ISMG Synop. SP Mtg (Bracknell) 18-19 Cu. Model Sympos. (Boulder) 22-26 ISMG Ship Ops Mtg (Geneva) 22-26 ISMG BL SP Mtg. (Geneva) CBS Omegasonde Test (Wallops)			DST (Debug)			3-7 TEB-V (Geneva) 10-15 ISMG Central Prog. Review		
January 1974			February 1974			March 1974		
8-12 JOC-IX (Canberra) 14-18 ISMG A/c Ops Mts (Bracknell) 31-2/6 Int'l Trop. Mtg (Nairobi) DST Syn. Check (7-14 days of data)			Prototype CBS Test with SMS-I ISMG Synop & BL SP Mtgs. 4-8 ISMG Data Mgt Mtg - Wash., D.C. 26-28 ISMG/SCOR Oceano Mtg. - London			1-8 Int'l Radiation SP Mtg (Ft. Collins) 7-14 GATE Aircraft Workshop 25-27 ISMG/SCOR Oceano Mtg - Leningrad		
April 1974			May 1974			June 1974		
15-30 GATE Pyrano Compar. Test 8-11 TEB-VI (Geneva) TEC-IV (Geneva)						NIMBUS-F  <div style="border: 1px solid black; padding: 5px; display: inline-block;">15 - GATE BEGINS</div>		
July	August	1974	September	October	ACRONYMS			
GATE	GATE DST (with SMS, NIMBUS-F, TWERLE, CBS) Data Month	GATE DST Data Month			GATE - GARP Atlantic Trop. Experiment TEB - Tropical Experiment Board TEC - Tropical Experiment Council ISMG - Int'l Scient. & Mgt. Group DST - Data Systems Test CBS - Carrier Balloon System SMS - Synchronous Meteor. Satellite SCOR - Scient. Comm. on Oceanic Resch			

Revised: 12 Feb 1974 - T.O.N. Revisions: ◆ -New Item ◇ -Changed Item

## VACCINATIONS FOR SENEGAL

Required and recommended vaccinations change with time, and will depend on the traveller's itinerary, and length of stay in Senegal. Current requirements are available from the U.S. Public Health Service, or state and local health departments.

As of 1 January 1974, vaccinations required for entry in Senegal are:

1. Yellow Fever (valid for 10 years)
2. Cholera (valid for 6 months)
3. Smallpox (valid for 3 years)

The following immunizations are also recommended:

1. Typhoid immunization
2. Tetanus immunization
3. Polio immunization
4. Hepatitis prevention
5. Diphtheria immunization
6. Anti-malarial drug (available by prescription)
7. Anti-diarrheal agent (some require a prescription)

Yellow fever vaccines must be obtained at an officially designated yellow fever vaccination center. Other vaccinations may be obtained from licensed physicians, U.S. Public Health Service, and state or local health departments. Practice will vary between communities, but in general, immunization clinics are open only on certain days of the week at certain hours.

If any vaccination is contraindicated, the physician should provide the person with a written opinion, which port authorities may take into account.

Sufficient time must be allowed to take the required and recommended vaccinations. Smallpox and yellow fever vaccinations can be taken on the same day, but if they are not taken on the same day, they must be taken a month apart. The cholera vaccination is given in two doses taken a week or more apart. The typhoid vaccination is given in two doses taken a month apart. Inasmuch as the yellow fever vaccine is not effective until 10 days after the date of vaccination, all vaccinations should be completed 10 days prior to entry into Senegal. It is recommended that U.S. GATE participants begin their vaccination program at least six weeks prior to departure for Senegal.

It is required that vaccinations be recorded and properly stamped on an approved version of Form PHS-731, International Certificate of Vaccination. This form is available from the U.S. Public Health Service, state and local health departments, vaccination centers, passport offices, travel agencies and the Superintendent

*(Vaccinations - continued)*

of Documents, U.S. Government Printing Office, Washington, D. C., 20402.

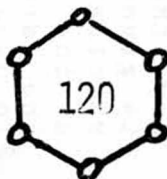
Additional information concerning immunization requirements may be referred to Cdr. A. J. Patrick, U.S. GATE Project Office, 301-496-8416.

GATE RADIATION SUBPROGRAM INFORMAL PLANNING MEETING, 4-8 MARCH 1974, FT. COLLINS, COLO.

The second and final informal planning meeting for the GATE Radiation Subprogram is scheduled to take place at the Colorado State University (CSU), Fort Collins, Colorado, from 4 to 8 March 1974. The meeting will be the last opportunity to incorporate the scientific analysis schemes presently under development into the subprogram and to ensure that the observational program conforms to these schemes.

The chairman of the GATE Radiation Working Group, Dr. T. H. Vonder Haar, CSU, will host the meeting. Other U.S. scientists expected to attend the meeting are: Dr. Kirby Hanson, NOAA/AOML, Dr. S. K. Cox, CSU, Dr. J. L. Rasmussen, U.S. GATE Project Office. In addition, several other scientists with research projects associated with the GATE Radiation Subprogram may attend the meeting.

ONLY



DAYS UNTIL GATE

(15 Feb 1974)

The latest Ship Operations Schedule (revised December 1973) has been received from ISMG and is reproduced below.

SHIP OPERATIONS SCHEDULE (revised December, 1973)					
CONSECUTIVE NUMERICAL DAYS	DATE AND DAY OF THE WEEK	DURATION OF FUNCTION IN DAYS	FUNCTION AND REMARKS		
			A SCALE	A/B SCALE	B SCALE
1 - 3	17-19 June 74 Mon. - Wed.	3	Enroute(****) Trackline Observations and group intercom- parisons	Intercomparison Period I(A)	
4 - 9	20-25 June Thurs. - Tues.	6		Enroute, inport and independent opera- tions.	
10 - 30	26 June to 16 July Wed.-Tues.	21	OBSERVATION PERIOD I (A)		
31 - 41	17-27 July Wed.-Sat.	11	Enroute, Inport and independent operations		
42 - 62	28 July - 17 August Sun. - Sat.	21(**)	OBSERVATION PERIOD II		
63 - 74	18 August - 29 August Sun. - Thurs.	12	Intercomparison Period II 16,17,18 August (See (**))  Intercomparison Period III 19,20 August (**)  Enroute, inport and trackline operations		
75 - 95	30 August - 19 September Mon. - Thurs.	21	OBSERVATION PERIOD III		
96	20 Sept. Fri.	1	Enroute, and Group Intercomp- arisons (****)	Enroute to location of Intercomparison III	
97 - 99	21 Sept. - 23 Sept.	3		Intercomparison III (***)	

SEE EXPLANATORY NOTES ON FOLLOWING PAGE

(A) - The eleven B and A/B-scale ships involved in Intercomparison Period I, 17-19 June 1974 will conduct trackline observations enroute to station during 26-27 June and will commence Observation Period I on 28 June 1974.