SUMMARY OF SHIP PROGRAMS - APPENDIX A - BY AREAS

REGION I - (Arabian Sea to 10° N)

(France)

PNS COMMANDANT ROBERT GIRAUD - 1963 - Physical and Chemical Oceanography
CALYPSO - 1962-63 - Physical and Chemical Oceanography

(Germany)


(India)


(Pakistan)


(U.S.S.R.)

VITJAZ - 1962 - Physics, Geology and Geophysics, Biology

(United Kingdom)

HMS DALRYMPLE - 1961-62, 1962-63 - Geology and Geophysics (magnetic surveys and sediment studies)
RBS DISCOVERY III - 1963-64 - Biology, Chemistry, Physics, Geophysics, Meteorology.

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REGION I - (Arabian Sea to 10° N

(United States

R/V CONRAD - 1963 - Cruise not detailed.
WILLIAMSBURG - (based at Bombay, India) - 1963, 1964 - Biological cruises. Meteorology (synoptic observations and radiosonde)
AUXILIARY VESSEL - (based at Bombay, India) - 1963 - Biology, Geology.
HORIZON - 1962 - Geology and Geophysics.

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REGION II - (Bay of Bengal to 10° N)

(India)
NOT YET DESIGNATED - 1962, 1963 - (Naval coastal minesweeper ?) Biological Oceanography.

(Pakistan)

(Thailand)
OCEANOGRAPHIC VESSEL NO. 2 - 1962-63 - Physical and Chemical Oceanography, Biological Oceanography, Geology and Meteorology.

(U.S.S.R.)
VITJAZ - 1962 - Physics, Geology and Geophysics, Biology.

(United States)
WILLIAMSBURG - (based at Bombay, India) - 1963 - Biological cruises. Meteorology (synoptic observations and radiosonde).

AUXILIARY VESSEL - (based at Bombay, India) - 1963 - Biology, Geology.

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REGION III-Central Western Indian Ocean (10° N to 10° S-Africa to 78° E)

(France)
FNS COMMANDANT ROBERT GIRAUD - 1962 or 1963 - Physical and Chemical Oceanography.

(India)

(U.S.S.R.
VITJAZ - 1962 - Physics, Geology and Geophysics, Biology.

(United Kingdom)
RRS DISCOVERY III - 1963-64 - Physics, Chemistry, Biology, Geophysics, Meteorology.

(United States)
R/V CONRAD - 1963 - Cruise plans not detailed.
WILLIAMSBURG - (based at Bombay, India) - 1963, 1964 - Biological cruises. Meteorology (synoptic observations and radiosonde).
AUXILIARY VESSEL - (based at Bombay, India) - 1963, 1964 - Biology, Geology.
ARGO - 1962-63 - Physical Oceanography, Chemistry, Biology, Geology and Geophysics, Meteorology.
HORIZON - 1962 - Geology and Geophysics, Physical and Chemical Oceanography.

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REGION IV- Central Eastern Indian Ocean (10° N to 10° S, 78° E to Java)

(Australia)


HMAS GASCOYNE - 1962, 1963 - Biology, Chemistry, Physics, Meteorology and possibly Geology and Geophysics.

(India)


(Japan)


(Thailand)

OCEANOGRAPHIC VESSEL NO. 2 - 1962-63 - Physical and Chemical Oceanography, Biological Oceanography, Geology, Meteorology.

(U.S.S.R.)

VITJAZ - 1962 - Physics, Geology and Geophysics, Biology.

(United States)

WILLIAMSBURG - (based at Bombay, India) - 1963 - Biological cruises. Meteorology (synoptic observations and radiosonde).

AUXILIARY VESSEL - (based at Bombay, India) - 1963 - Biology, Geology.

WEATHER SHIPS - 1963, 1964 - Meteorology. Also Biology, Chemistry and Physics.

ARGO - 1962-63 - Physical Oceanography, Chemistry, Biology, Geology and Geophysics, Meteorology.

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REGION V - South Western Indian Ocean (Africa to 78°E south of 10°S)

(France)

PNS COMMANDANT ROBERT GIRAUD - 1962 or 1963 - Physical and Chemical Oceanography.
BIOLOGICAL VESSEL - (based in Madagascar) - 1962 - Biological Oceanography.

(Portugal)


(South Africa)


(United Kingdom)


(United States)

R/V CONRAD - 1963 - Cruise plans not detailed.
WILLIAMSBURG - (based at Bombay, India) - 1963, 1964 - Biological cruises. Meteorology (synoptic observations and radioscnde).
AUXILIARY VESSEL - (based at Bombay, India) - 1963, 1964 - Biology, Geology.
ARGO - 1962-63 - Physical Oceanography, Chemistry, Biology, Geology and Geophysics, Meteorology.
HORIZON - 1962 - Geology and Geophysics, Physical and Chemical Oceanography.
SPENCER F. BAIRD - 1964 - Geology and Geophysics, Chemistry.

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REGION VI - South Eastern Indian Ocean (78° E to Java south 10° S)

(Australia)

HMAS GASCOCNE - 1962, 1963 - Biology, Chemistry, Physics, Meteorology, and possibly Geology and Geophysics.

(Japan)


(U.S.S.R.)

VITJAZ - 1962 - Physics, Geology and Geophysics, Biology.

(United States)

R/V CONRAD - 1963 - Cruise plans not detailed.
WILLIAMSBURG - (based at Bombay, India) - 1963 - Biological CRUISES. Meteorology (synoptic observations and radiosonde).
ARGO - 1962-63 - Physical Oceanography, Chemistry, Biology, Geology and Geophysics, Meteorology.
HORIZON - 1962 - Geology and Geophysics, Physical and Chemical Oceanography.
SPENCER F. BAIRD - 1964 - Geology and Geophysics, Chemistry.

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