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UNOLS Ship Time Request Form - Section ONE

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UNOLS Request ID #: 19990628153709

Version #: 002

Valid as of: 2000/10/05 18:41 EDT

=====
P.I. Name Last: Bellingham First: James MI.: G

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Institution Monterey Bay Aquarium Research Institute Reasearch vessel required for:

Address: 7642 Sandholt Rd. _ Ancillary Only

Moss Landing, CA 95039-0628 X Principal Use

_ No Ship Required

=====
Phone: (831)775-1731 Fax: (831)775-1646 E-mail: bellin@mit.edu

=====
Co P.I. Name Institution Co P.I. Name Institution

=====
Proposal Title:

Atlantic Tracking Experiment (ALTEX)

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Large Program Name: Other Research Purpose: Physical Oceanography

If Other, specify: ALTEX If Other, Specify:

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New Proposal? Y Agency Submitted to: Foreign EEZ? Y

Institution Proposal #: NSF/OPP Russia, Norway

Amount Requested: Area(s) of Operation:

Agency Proposal #: 2,272,004 AR2,AR3

NSF 99-101 Lat/Long:

Renewal? Start Date: 9/1/99 Begin: 82N 30E

Grant #: End Date: 8/31/02 End: 82N 80E

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Ship(s) Requested # Science

Year (Name or Size) Days Req. Optimum Dates Alternate Dates

2001 Healy 12 08/01/2001-08/31/01 08/2002

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Total Science & Ship Days Needed: ----- PORTS -----

30 Start: Intermediate: End:

Number in Science Party: Tromso, Norway Longyearbyen, Norway Tromso, Norway

16

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Equipment Required:

X Vans X P-Code GPS _ MCS _ Alvin _ AMS 120

_ Dynamic Positioning _ Multibeam _ SCS _ ROV _ 680 Cond.

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Other Special Equipment; Comments:

CTD Winch, Tracking System for underwater vehicles (supplied by MBARI), AUV
control van, NMEA gyro & P-Code GPS outputs to control van

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UNOLS Ship Time Request Form - Section TWO

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Other Scientists Involved in Multi-P.I. Program:

Name Institution Phone E-mail

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Are there special considerations of the science party or cruise scheduling?

Consider science time constraints; coordination of equipment shipping;
two-ship operations; weather windows; mooring turn-around; teaching schedules
and others that will affect scheduling decisions.

=====

SCUBA Diving? No Yes -- Designate Lead Institution:

Individual dives: # Divers on board:

A list of all divers and their certification information must be submitted
to the ship's marine superintendent.

=====

Special Science Party Considerations

Foreign Nationals Medical Conditions Disabled Persons Other

Please explain:

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Use of Hazardous Materials? No Yes

If Yes, List type, quantity, and disposal plans:

Radioactive? Type: Quantity:

Disposal Plan:

Explosives? Type: Quantity:

Disposal Plan:

Other? Type: Quantity:

Disposal Plan:

=====

Have you read the RVOC Safety Training Manual-Chapter 1? No Yes

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Technician Required (CTD, SCS, MSC, etc):

=====
Equipment to be used:

Winches: Wire: Conductor Navigation: Communication:

_ Dredge/Trawl Mechanical _ 0.680" X GPS _ Inmarsat
_ Hydro _ 9/16" _ 0.322" _ DGPS _ ATS
_ CTD _ 1/2" _ .225" _ Loran _ FAX
_ Capstans _ 1/4" _ Single _ Dynamic Positioning _ Cellular
_ Multi _ Other _ SEANET

_ 12 kHz Echosounder _ Multibeam Sounder _ Air Compressor
_ 3.5 kHz Echosounder _ Magnetometer

Vans: Nets:

_ Pingers _ Refrigerated _ Dip net
_ Gravity Corers _ Magazine _ Plankton
_ Piston Corers _ Isotope Isolation _ Neuston
_ Box Corers _ Lab _ Bongo
_ Rock Dredges _ Storage _ Mid-water trawl
_ Airgun/watergun system _ Berthing _ MOCNESS
_ Explosive Handling Gear _ Chest Freezers (Size):
_ Thermometers _ Refrigerators _ Work boats
_ CTD _ Computer/peripherals
_ Rosette Sys. _ Auto Analyzer _ PC computers
_ Niskin bottles _ Salinometer _ SAIL system
Size: _ Oxygen titration _ ADCP
and number: _ Liquid Scintillation _ Gravimeter
_ Uncontaminated seawater _ IMET

=====
Other Special Equipment; Equipment Requiring Special Handling, Storage or
Installation; Comments:

CTD Winch, Tracking System for underwater vehicles, AUV control van, NMEA gyro
& P-Code GPS outputs to control van
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UNOLS Ship Time Request Form - Section ONE
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UNOLS Request ID #: 20000810145817

Version #: 001

Valid as of: 2000/10/05 18:44 EDT
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P.I. Name Last: Michael First: Peter MI.: J
=====

Institution The University of Tulsa Research vessel required for:

Address: Dept. of Geosciences Univ. of Tulsa _ Ancillary Only

600 S. College Ave Tulsa, OK 74104 X Principal Use

_ No Ship Required
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Phone: 918-631-3017 Fax: 918-631-2091 E-mail: pjm@utulsa.edu
=====

Co P.I. Name Institution Co P.I. Name Institution

Charles Langmuir Lamont-Doherty Earth Observatory Henry Dick WHOI
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Proposal Title:

Collaborative Research: Mantle Melting and Crustal Genesis at the Slowest
Spreading Rate: A Petrological Investigation of Gakkel Ridge, Arctic Ocean
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Collaborative Research: Mantle Melting and Crustal Genesis at the Slowest
Spreading Rate: A Petrological Investigation of Gakkel Ridge, Arctic Ocean

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Large Program Name: RIDGE Research Purpose: Geological Oceanography

If Other, specify: OPP Arctic Natural Sciences If Other, Specify: Recover basement
samples from Gakkel Ridge

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New Proposal? Y Agency Submitted to: Foreign EEZ? Y

Institution Proposal #: NSF/OPP Norway (Svalbad), Denmark (Greenland), possibly Russia
if there is opportunity to go further east

Amount Requested: Area(s) of Operation:

Agency Proposal #: AR1,AR2,AR3,AR4

Lat/Long:

Renewal? Start Date: Begin: 80°N 0°E

Grant #: End Date: End: 89°N 95°E

=====
Ship(s) Requested # Science

Year (Name or Size) Days Req. Optimum Dates Alternate Dates

2001 Healy 59 7/31/01 - 10/02/01

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Total Science & Ship Days Needed: ----- PORTS -----

59 + 4 transit from Tromsø = 63 Start: Intermediate: End:

Number in Science Party: Tromsø Tromsø

15

=====
Equipment Required:

_ Vans X P-Code GPS _ MCS _ Alvin _ AMS 120

X Dynamic Positioning X Multibeam _ SCS _ ROV X 680 Cond.

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Other Special Equipment; Comments:

We are still deciding whether we will need .680 cond cable

UNOLS Ship Time Request Form - Section TWO

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=====
Other Scientists Involved in Multi-P.I. Program:

Name Institution Phone E-mail

Charles Langmuir LDEO 914-365-8657 langmuir@ldeo.columbia.edu

Henry Dick WHOI 508-289-2590 hdick@whoi.edu

Steven Goldstein LDEO 914-365-8787 goldstein@ldeo.columbia.edu

David Graham Oregon State Univ 541-737-4140 dgraham@oce.orst.edu
=====

Are there special considerations of the science party or cruise scheduling?
Consider science time constraints; coordination of equipment shipping;
two-ship operations; weather windows; mooring turn-around; teaching schedules
and others that will affect scheduling decisions.

We are planning a two-ship icebreaker cruise to the high Arctic, probably with
the German ship Polarstern. Polarstern has set dates for their cruise from
7/31/01 to 10/08/01 from Tromsø to Bremerhaven. There is not much flexibility
in choosing times because of the ice conditions that can be expected at these
high latitudes for most of the year.
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SCUBA Diving? No Yes -- Designate Lead Institution:

Individual dives: # Divers on board:

A list of all divers and their certification information must be submitted
to the ship's marine superintendent.
=====

Special Science Party Considerations

Foreign Nationals Medical Conditions Disabled Persons Other

Please explain:

We may have German scientists on board, as this is a 2-ship, Healy +
Polarstern operation

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Use of Hazardous Materials? No Yes

If Yes, List type, quantity, and disposal plans:

Radioactive? Type: Quantity:

Disposal Plan:

Small amounts of hydrochloric acid for dissolving rocks. A vent or hood is
needed to exhaust acid fumes from the DC Plasma Spectrometer. Is not toxic.
Can be disposed overboard or stored in bottles on ship.

Explosives? Type: Quantity:

Disposal Plan:

Other? Type: Quantity:

Disposal Plan:

=====
Have you read the RVOC Safety Training Manual-Chapter 1? No Yes

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Technician Required (CTD, SCS, MSC, etc): Dredge Expert (preferably Jim Broda) ±
SeaBEAM tech

Equipment to be used:

Winches: Wire: Conductor Navigation: Communication:

X Dredge/Trawl Mechanical X 0.680" X GPS Inmarsat

X Hydro X 9/16" 0.322" X DGPS ATS

X CTD X 1/2" .225" X Loran FAX

Capstans 1/4" Single X Dynamic Positioning Cellular

Multi Other SEANET

X 12 kHz Echosounder X Multibeam Sounder Air Compressor

X 3.5 kHz Echosounder X Magnetometer

Vans: Nets:

X Pingers Refrigerated Dip net

X Gravity Corers Magazine Plankton

X Piston Corers Isotope Isolation Neuston

X Box Corers X Lab Bongo

X Rock Dredges Storage Mid-water trawl

Airgun/watergun system Berthing MOCNESS

Explosive Handling Gear X Chest Freezers (Size):

Thermometers X Refrigerators Work boats

CTD X Computer/peripherals

X Rosette Sys. Auto Analyzer X PC computers

Niskin bottles Salinometer SAIL system

Size: Oxygen titration ADCP

and number: Liquid Scintillation X Gravimeter

Uncontaminated seawater IMET

=====
Other Special Equipment; Equipment Requiring Special Handling, Storage or
Installation; Comments:

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