SANTA BARBARA CITY COLLEGE

PROJECT PROPOSAL TO THE OFFICE OF SEA GRANT

FOR THE

MARINE DIVING TECHNICIAN TRAINING PROGRAM

March 26, 1976

Enc. 3
5.2-c
4/8/76
A Project Proposal to:

Submitted by:

Title:

Amount requested from Sea Grant

Matching funds proposed

Duration of proposed activity:

Proposed starting date:

Year of Activity:

Previous grants' amount:

Date of This Proposal:
March 26, 1976

The Office of Sea Grant
NOAA, U. S. Department of Commerce

Santa Barbara City College
Santa Barbara Community College District
721 Cliff Drive
Santa Barbara, California 93109

Marine Diving Technician Training Program

$18,200

$238,519

1 year

July 1, 1976

New Proposal

1968-69 through 1974-75 school years
$348,581

We, the undersigned, certify that, in the event this proposal is accepted, in whole or in part, our signatures on this proposal constitute acceptance of and compliance with statutes and regulations of the U. S. Government and the U. S. Department of Commerce as detailed in Part Three, "The National Sea Grant Program, Program Description and Suggestions for Preparing Proposals," dated June 1, 1972, and that pages 29 to 44 of that publication are incorporated by reference as part of this proposal.

H. Ramsey Parks
Principal Investigator
College Diving Officer and
Department Chairman
Occupational and Career Education
Social Security Number - 547-44-7158

Mervin J. Elkins
Associate Investigator
Assistant Dean
Occupational and Career Education
Social Security Number - 567-38-5822

David K. Shelver
Assistant Superintendent, Business Services
Social Security Number - 517-16-3399

Glenn G. Gooder
Superintendent/President
Social Security Number - 546-12-2366

For administrative details, contact Mr. H. Ramsey Parks, Santa Barbara City College, 721 Cliff Drive, Santa Barbara, California 93109, Phone (805) 965-0581, Ext. 416, or (805) 962-7519.
ASSURANCE OF COMPLIANCE WITH THE NONDISCRIMINATION CLAUSE applicable to:

March 26, 1976   MARINE DIVING TECHNICIAN TRAINING PROGRAM  1976-77
(insert in the space above the title, date, and/or other identification of the application/proposal to which this assurance is applicable)

SANTA BARBARA CITY COLLEGE, 721 Cliff Drive, Santa Barbara, CA 93109

Name and address of organization submitting application/proposal

(1) hereby warrants, covenants, agrees, and assures that it will conduct the program/project described by the above identified application/proposal, or as it may be revised or modified prior to any grant award or subsequent to any grant award, in compliance with all requirements of the "recipient" imposed by or pursuant to the Nondiscrimination clause appended thereto, which clause shall also be incorporated into any grant awarded on the basis of such proposal, and

(2) agrees and acknowledges that this assurance of compliance is a prerequisite condition to approval of the proposal or any grant or grant modification or amendment extending any Federal financial assistance pursuant thereto, that any such Federal financial assistance which may be extended to it by the U.S. Department of Commerce will be in reliance on the representation made by this assurance and that the United States shall have the right to seek Judicial enforcement thereof, and that this assurance of compliance shall be binding upon it, its successors, assignees, and transferees.

March 26, 1976

Signature of official authorized to sign this assurance on behalf of the above identified organization

Glenn G. Goode

Type Name

Superintendent/President

Title

- 2 -
To prepare qualified Marine Diving Technicians to meet the continuing needs of the offshore industry.

To constantly evaluate feedback from the Marine Technology Advisory Committee, resulting in a broad spectrum curriculum that is continually updated and revised to ensure that the graduates of the program meet current industrial needs and standards.

The curriculum is designed to give the student a basic understanding and knowledge of the marine environment and to develop the skills currently required of a diving technician. Included in the curriculum are general education courses designed to increase the student's knowledge and communicative ability.

Information will be applied (Be specific)

The program essentially trains environmental technicians. This training enables the graduate to help fill the expanding manpower needs in the offshore industry, making offshore work safer and more efficient, and as a result, more compatible with the environment. Criteria established by this program will serve as useful guidelines for others.

Accomplishments during past twelve months (Not more than one sentence per accomplishment)

1. Continuing high rate of placement of graduates of the program.
2. Success of graduates once employed by the offshore industry.
3. Ability of program to keep pace with the industry as it extends its capabilities and technology.
4. Continual growth of industrial recognition and support of the program.
<table>
<thead>
<tr>
<th>A. SALARIES AND WAGES</th>
<th>S.G. Man-Months</th>
<th>Grantee Man-Months</th>
<th>S.G. Funds</th>
<th>Grantee Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Senior Personnel</td>
<td>Cal</td>
<td>Acad</td>
<td>Summ</td>
<td>Cal</td>
</tr>
<tr>
<td>a. (Co) Project Leader(s)</td>
<td></td>
<td></td>
<td></td>
<td>7.</td>
</tr>
<tr>
<td>b. Associates (Faculty or Staff)</td>
<td></td>
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<td></td>
<td>65.7</td>
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<tr>
<td>Sub-Total</td>
<td></td>
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<tr>
<td>2. Other Personnel</td>
<td></td>
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</tr>
<tr>
<td>a. Research Associates</td>
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<tr>
<td>b. Graduate Student</td>
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<tr>
<td>Assistants</td>
<td></td>
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<tr>
<td>c. Undergraduate Students</td>
<td>13</td>
<td></td>
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<td></td>
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<tr>
<td>d. Secretarial-Clerical</td>
<td>12</td>
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<tr>
<td>e. Technical-Shop</td>
<td>7.2</td>
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<tr>
<td>f. Consultant</td>
<td>5</td>
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<tr>
<td>TOTAL SALARIES AND WAGES</td>
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<tr>
<td>B. FRINGE BENEFITS (When Charged As Direct Costs)</td>
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<tr>
<td>TOTAL SALARIES, WAGES, AND FRINGE BENEFITS (A&amp;B)</td>
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<tr>
<td>C. PERMANENT EQUIPMENT</td>
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<tr>
<td>TOTAL PERMANENT EQUIPMENT</td>
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<tr>
<td>D. EXPENDABLE SUPPLIES AND EQUIPMENT</td>
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<tr>
<td>E. TRAVEL</td>
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<tr>
<td>1. Domestic-U.S. and its possessions</td>
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<tr>
<td>2. International</td>
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<tr>
<td>TOTAL TRAVEL</td>
<td></td>
<td></td>
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<tr>
<td>F. PUBLICATION AND DOCUMENTATION COSTS</td>
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<tr>
<td>G. OTHER COSTS</td>
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<td></td>
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<tr>
<td>1. Equipment and facilities rental</td>
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<tr>
<td>2. Equipment repair</td>
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<td>3.</td>
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<tr>
<td>TOTAL OTHER COSTS</td>
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<tr>
<td>TOTAL COSTS (A through G)</td>
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<tr>
<td>INDIRECT COSTS (on Campus 38 % of $172,369 (off Campus % of )</td>
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<tr>
<td>TOTAL INDIRECT COSTS</td>
<td></td>
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<td></td>
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<tr>
<td>TOTAL COSTS</td>
<td></td>
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<tr>
<td>TOTAL COSTS ROUNDED</td>
<td></td>
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</tbody>
</table>
# A. SALARIES AND WAGES

## 1. Senior Personnel

### a. 1 - Principal Investigator

(1) H. Ramsey Parks  
  College Diving Officer and  
  Department Chairman  
  II-12 plus 2 months  
  half time instruction  
  half time Department Chairman  
  Plus 2 months 7/12 x $23,162 = $13,510  
  $13,510

### b. 13 - Faculty Associates

<table>
<thead>
<tr>
<th>#</th>
<th>Name</th>
<th>TLUs</th>
<th>Months</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H. Ramsey Parks</td>
<td>15.7</td>
<td>5.2</td>
<td>$9,652</td>
</tr>
<tr>
<td>2</td>
<td>Jim G. Parker (Sab Lv)*</td>
<td>-</td>
<td>10.0</td>
<td>14,213</td>
</tr>
<tr>
<td></td>
<td>(.75 x $18,951 = $14,213)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Robert W. Christensen</td>
<td>30.0</td>
<td>10.0</td>
<td>21,520</td>
</tr>
<tr>
<td>4</td>
<td>Gerald L. Clouser</td>
<td>30.0</td>
<td>10.0</td>
<td>15,160</td>
</tr>
<tr>
<td>5</td>
<td>Maurice E. Ryan, Jr.</td>
<td>6.0</td>
<td>2.0</td>
<td>4,223</td>
</tr>
<tr>
<td>6</td>
<td>Phil G. Olsen</td>
<td>7.0</td>
<td>2.3</td>
<td>4,349</td>
</tr>
<tr>
<td>7</td>
<td>William M. Miller</td>
<td>14.0</td>
<td>4.6</td>
<td>9,713</td>
</tr>
<tr>
<td>8</td>
<td>William G. Jorgensen</td>
<td>12.0</td>
<td>4.0</td>
<td>8,446</td>
</tr>
<tr>
<td>9</td>
<td>J. Lee Coburn</td>
<td>3.0</td>
<td>1.0</td>
<td>2,112</td>
</tr>
<tr>
<td>10</td>
<td>Edwin A. Soule</td>
<td>10.0</td>
<td>3.3</td>
<td>6,240</td>
</tr>
<tr>
<td>11</td>
<td>Joe Rodriguez</td>
<td>7.0</td>
<td>2.3</td>
<td>3,619</td>
</tr>
<tr>
<td>12</td>
<td>Richard Tweedy (hourly)</td>
<td>3.0</td>
<td>1.0</td>
<td>714</td>
</tr>
<tr>
<td>13</td>
<td>Hourly (Sab Leave Repl.)*</td>
<td>30.0</td>
<td>10.0</td>
<td>7,548</td>
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</tbody>
</table>

**TOTALS**  
167.7  
65.7  
$107,509  
107,509

## 2. Other Personnel (Non-faculty)

### a.  

### b.  

### c. Undergraduate Students  
5,350

### d. 1 Secretarial-Clerical

- V. Irene Butler - 12 months, full-time  
  7,372

### e. 6 Technical-Shop

- Tom Onley - 12 months 60% (.6 x $10,848 = $6,509)  
  6,509

### f. 1 Consultant  
600

**TOTAL SALARIES AND WAGES**  
$140,850

*cont.*
C. Permanent Equipment

In order to keep the Marine Technology Program at Santa Barbara City College in pace with the continual advances in technology and capabilities of the industry, we are in the process of developing a complete bell/saturation diving system. We are well on our way to realizing this goal almost totally from industrial support. At present we have acquired most of the components including a bell and deck chamber with lock-on capabilities, control van, environmental control, diver heating and life support equipment. This has been made possible due to the generous support of companies such as Ocean Systems Inc., Delco Electronics / General Motors Corporation, General Aquadyne, Kirby-Morgan Corporation, and others. However, to complete the system we will need a diesel-driven hydraulic power unit for the handling system and a larger air compressor to supply the needs of the system. The acquisition of these two vital components will make it possible to complete the bell/sat system and assure the Marine Technology Program at Santa Barbara City College continues to meet the needs of the marine industry.

1. Diesel-driven 45 gal/min 2000 PSI hydraulic power unit
   $7,000
2. Diesel driven 120 cubic feet per minute two-stage air compressor
   11,200
3. IBM 855 Electric typewriter, replacing typewriter which has been in constant use for 8 years
   __________
   $650

TOTAL
$18,200

D. Expendable Supplies and Equipment
$7,703

E. Travel
$300

G. Other Costs

1. Equipment and Facilities Rental
   a. Small boats
   $1,400
   b. Ship Rental
   3,750
   c. Building & Utilities
   15,232
   __________
   $20,382
   TOTAL
   $20,382

2. Equipment Repair and Replacement
   __________
   $3,134
   cont.
TOTAL COSTS

Sea Grant Funds: $18,200
Grantee Share: $173,019

RP:ib
3-26-76