NAVY UNDERWATER SOUND LABORATORY
NEW LONDON, CONNECTICUT

A BIBLIOGRAPHY OF REFERENCES
PRODUCED BY THE
OCEANOGRAPHY BRANCH,
JANUARY 1967 - MARCH 1970

by

Lorna Skrigan

"Charles L. Brown, Jr."

MUSL Technical Memorandum No. 2213-103-70

25 March 1970

Approved for public release; distribution unlimited
PREFACE

During the past four years, which marks the organization and growth of oceanography at the Navy Underwater Sound Laboratory, a considerable amount of reporting has accumulated from investigations conducted by the Oceanography Branch (Code 2213) of the Ocean Sciences Division. This bibliography was compiled to make accessible to a wider audience, information that may be of interest or value to them.
INTRODUCTION

This compilation contains technical memoranda, technical reports, proceedings, journal articles, presentations and films authored by members of the Oceanography Branch. In a few instances, technical memoranda, etc. which have been authored by members outside the Oceanography Branch, but pertain to Code 2213 data, have been included. In the process of compiling this bibliography, it was necessary to omit a few publications. All material is unclassified.

The procedure followed in presenting the material is shown by the table of contents. From observations of the yearly listings, it is noted that the bibliography reflects the expansion, both in numbers of people and projects, of the Oceanography Branch.
<table>
<thead>
<tr>
<th>Year</th>
<th>Technological Memoranda</th>
<th>Technical Reports</th>
<th>Presentations</th>
<th>Film Reports</th>
<th>Proceedings</th>
<th>Journal Articles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1967</td>
<td></td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>1968</td>
<td></td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td></td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8</td>
<td>8</td>
<td>9</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>1970</td>
<td></td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>11</td>
</tr>
</tbody>
</table>
Technical Memoranda

Brown, Charles L., Jr. and Napora, Dr. Theodore A., (U.S.), "Analysis of Zooplankton from Two Stations North of Bermuda", USL Tech Memo No. 2213-10-67, 1 Jan 1967

Huff, Lloyd C., "Thermal Variations in Millstone Quarry", USL Tech Memo No. 2213-6-67, 16 Jan 1967


Huff, Lloyd C., "Comparison between Computed and Measured Sound Velocity for Millstone Quarry", USL Tech Memo No. 2213-11-67, 28 Mar 1967


Huff, Lloyd C., "Rapid Determination of the Refractive Properties of an Interface", USL Tech Memo No. 2213-93-67, 1 May 1967

Williams, Robert G., "Some Notes on the Sound Velocity Structure of Block Island Sound", USL Tech Memo No. 2213-90-67, 4 May 1967


Brown, Charles L., Jr., "EARS I Plankton Analysis", USL Tech Memo No. 2213-177-67, 8 Sep 1967

Fessenden, Frederic P., "An Estimate of Volume Scattering Strength from Biological Samples", USL Tech Memo No. 2211-151-67, 29 Nov 1967

Technical Reports


Presentations


Williams, Robert G., "Oceanography of Block Island Sound" at Seminar at Bureau of Commercial Fisheries, Woods Hole, Massachusetts, 12 Jun 1967


Huff, Lloyd C., "USL Physical Oceanography Projects" at MOST Committee Meeting in Washington, D.C., 18 Oct 1967

Brown, Charles L., Jr., "Oceanography at Underwater Sound Laboratory" at Naval Research Laboratory, Washington, D.C., 26 Oct 1967


Huff, Lloyd C., and Williams, Robert G., "Some Applications of Meteorology to Underwater Ambient Noise Studies in Block Island Sound" at the 74th meeting of the Acoustical Society of America in Miami, Florida, Nov 1967
Barakos, Peter, "The Significance of Internal Waves in Military Oceanography" at USL Seminar to Reserve Officers, 9 Dec 1967

Film Reports

Oceanography at the U.S. Navy Underwater Sound Laboratory, 2 Video Tapes for Educational TV at Dallas, Texas, 29-30 Nov 1967, Brown, Charles L., Jr.

Proceedings


Technical Memoranda


Gallagher, James J., "Interest of Navy Underwater Sound Laboratory in In Situ Ocean Bottom Analysis", USL Tech Memo No. 2213-97-68, 4 Mar 1968


Giuliano, David F., "DEEP STAR 4000 Biological Operations", USL Tech Memo No. 2213-166-68, 30 Apr 1968


Giuliano, David F., "Fishbite Occurrence on a Deep Sea Buoy Mooring Cable", USL Tech Memo No. 2213-259-68, 18 Sep 1968

Barakos, Peter A., "Power Series for the Calculation of Bessel Functions for Large Arguments", USL Tech Memo No. 2213-381-68, 28 Oct 1968


Technical Reports


Presentations

Huff, Lloyd C., "CW Phase Measurements Across Block Island Sound" 75th Meeting of the Acoustical Society of America, Ottawa, Canada, 21-24 May 1968

Huff, Lloyd C., "Transinformation Measurements on a Shallow-Water Acoustic Communication Channel", at the 75th meeting of the Acoustical Society of America in Ottawa, Canada, 24 May 1968


Proceedings


Journal Articles


Brown, Charles L., Jr., and Clark, Robert (Cornell University, N. Y.) "Observations on Dredging and Dissolved Oxygen in a Tidal Waterway" WATER RESOURCES RESEARCH, Dec 1968 Vol. 4, No. 6

Brown, Charles L., Jr., and Sims, Harold W., Jr., (Formerly Florida State University) "A Giant Scyllarid Phyllosoma Larva Taken North of Bermuda (Palinuridae) CRUSTACEANA (International Journal of Crustacean Research) Suppl 2, 1968
Technical Memoranda

Huff, Lloyd C., "CW Measurements Across Block Island Sound", USL Tech Memo No. 2213-279-69, 17 Jan 1969


Giuliano, David F., "Biological Considerations in the BIFI Range", USL Tech Memo No. 2213-9-69, 6 Mar 1969

Fecher, Michael P., Expendable BT Measurements Between Bermuda and Eleuthera", USL Tech Memo No. 2213-59-69, 14 Mar 1969


Williams, Robert G., "The BIFI Oceanographic Program", USL Tech Memo No. 2213-84-1969


Jones, Everett N., "Bathythermograph Traces from FARKA", USL Tech Memo No. 2213-118-69, 26 May 1969


Getz, Mary, "CALCOMP Generalized Linear Plotting", NUSL Tech Memo No. 2213-205-69, 19 Aug 1969

Huff, Lloyd C., "Temperature Variations in the Upper 130 Feet of the Sargasso Sea", NUSL Tech Memo No. 2213-250-69, 6 Oct 1969


Giuliano, David F., "Biological Data Collected on the PARKA I Transit", NUSL Tech Memo No. 2213-262-69, 23 Oct 1969


Technical Reports

Williams, Robert G., "Physical Oceanography of Block Island Sound", NUSL Report No. 966, 1 Jul 1969


Presentations


Barakos, Peter A., "Some Results on Effects of Internal Waves upon an Acoustic Field Obtained in a Model Tank", seminar presented at Institute of Marine Science, University of Miami, 11 Mar 1969


Richardson, R. of URI "Acoustic Sparker Design for Use on Deep Ocean Sediment Probe" - USL/URI paper delivered to IEEE Providence Section Group on Ocean Electronics, 19 May 1969

Proceedings


Journal Articles

Technical Memoranda

Bissett, Gene T., "Test and Evaluation of Free Falling Core Equipment", NUSL Tech Memo No. 2321-5-70, 7 Jan 1970

Giuliano, David F., "Aspects of Thermal Pollution", NUSL Tech Memo No. 2213-104-70, 31 Mar 70

Ball, John R., "Preliminary Evaluation of Certain Methods of In Situ Measurements of Marine Sediment Bulk Density and Porosity", NUSL Tech Memo No. 2121-16-70

Technical Reports


Azarovitz, T., Williams, Robert G. and Lamoureux, James E., 'Seasonal Fluctuations of Temperature and Sound Velocity in Block Island Sound, NUSL Report No. 927 (In Press)


Presentations

In Preparation


Jones, Everett N. and Browning, David G., "Cold Water Layering in the Southern Red Sea" (Submitted to Science)

CHARLES L. BROWN, JR.
Branch Head

LORNA SKRIGAN
Secretary
From: Commanding Officer  
To: Distribution List  

Subj: NUSL Tech Memo No. 2213-103-70 dtd 25 Mar 70

Encl: (1) Addendum to NUSL Tech Memo 2213-103-70 dtd 25 Mar 70

1. Enclosure (1) was inadvertently omitted from the subject memo. Please add the attached sheet in order to make it more complete.

2. Also, please delete NUSL Tech Memo No. 2213-45-69 by John M. Gorman on page 7.

Distribution List
NAVSHIPS, B. K. Couper, Code OOVX
NAVSHIPS, C. Smith, Code OOV1
ADDENDUM TO NUSL TECH MEMO 2213-103-70

1967


1969

Skory, John and Jennings, Robert C., "Equispace - A Program to Calculate Equispaced Points from Unequispaced Data", NUSL Tech Memo No. 2070-187-69, 28 May 1969


Mehr, E., "Computer Programs for Oceanography", NUSL Tech Memo No. 2213-286-69, 19 Nov 1969


1970


Enclosure (1)
**SUBJECT:**
NUSL Tech Memo 2213-103-70 dtd 25 Mar 70, Corrections

**CLASSIFICATION:**
UNCLASSIFIED

**NUMBER OF COPIES MADE:**
51

<table>
<thead>
<tr>
<th>COPY NO.</th>
<th>COPY NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Codes 1000/1100</td>
</tr>
<tr>
<td>2</td>
<td>2000</td>
</tr>
<tr>
<td>3</td>
<td>2010</td>
</tr>
<tr>
<td>4</td>
<td>2020</td>
</tr>
<tr>
<td>5</td>
<td>2040</td>
</tr>
<tr>
<td>6</td>
<td>2064.2</td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>2070</td>
</tr>
</tbody>
</table>