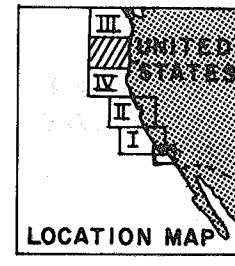


CHART NUMBER	TITLE	SCALE
5002	YAUQUINA HEAD TO COLUMBIA RIVER	1:185,238
5056	APPROACHES TO YAUQUINA BAY	1:50,000
5802	CAPE BLANCO TO YAUQUINA HEAD	1:191,730
5971	COQUILLE RIVER ENTRANCE	1:10,000
5984	COOS BAY	1:20,000
6004	UMPUQA R.-PACIFIC OCEAN TO REEDSPORT	1:20,000
6023	SIUSLAW RIVER	1:20,000
6055	YAUQUINA BAY AND RIVER	1:10,000
6056	APPROACHES TO YAUQUINA RIVER	1:50,000

NOS SEAMAP SERIES (1:1,000,000)	PILOT CHART
12042-12M MAGNETICS	U.S. COAST PILOT NO. 7,
12042-12G GRAVITY	PACIFIC COAST
12042-12B BATHYMETRY	U.S. DEPT. OF COMMERCE

Dedicated to the memory of  
**June G. Pattullo**  
June, 1921 to Jan 1972  
BS. U. of Chicago, 1948. Ph.D. S.I.O., 1957

PREVIOUSLY ISSUED SHEETS IN THIS SERIES  
I CHASE, T.E., W.R. NORMARK, AND P. WILDE, 1975, OCEANOGRAPHIC DATA OF THE HONOLULU DEEP SEA FAN: 196 TECH. REPT. SERIES TR-58, UNIVERSITY OF CALIFORNIA, SAN DIEGO.  
II WILDE, P., W.R. NORMARK, AND T.E. CHASE, 1976, OCEANOGRAPHIC DATA OFF CENTRAL CALIFORNIA, 37° TO 40° NORTH INCLUDING THE DELGADO DEEP SEA FAN: LBL PUB. 92, UNIVERSITY OF CALIFORNIA, BERKELEY.  
III WILDE, P., T.E. CHASE, M.L. HOLMES, W.R. NORMARK, AND J.A. THOMAS, 1977, OCEANOGRAPHIC DATA OFF WASHINGTON 46° TO 49° NORTH INCLUDING THE HITTITAT DEEP SEA FAN: LBL PUB. 223, UNIVERSITY OF CALIFORNIA, BERKELEY.  
IV WILDE, P., T.E. CHASE, M.L. HOLMES, W.R. NORMARK, D.S. McCULLOCH, AND L.D. KULM, 1979, OCEANOGRAPHIC DATA OFF NORTHERN CALIFORNIA-SOUTHERN OREGON 43° TO 45° NORTH INCLUDING THE ASTORIA DEEP SEA FAN: LBL PUB. 253, UNIVERSITY OF CALIFORNIA, BERKELEY.



OCEANOGRAPHIC DATA off OREGON 43° to 46° North including the ASTORIA DEEP SEA FAN

by  
**P. Wilde<sup>1</sup>, T.E. Chase<sup>2</sup>, M.L. Holmes<sup>3</sup>, W.R. Normark<sup>2</sup>, J.A. Thomas<sup>2</sup>, D.S. McCulloch<sup>2</sup>, P.R. Carlson<sup>2</sup>, L.D. Kulm<sup>4</sup>, and J.D. Young<sup>2</sup>**

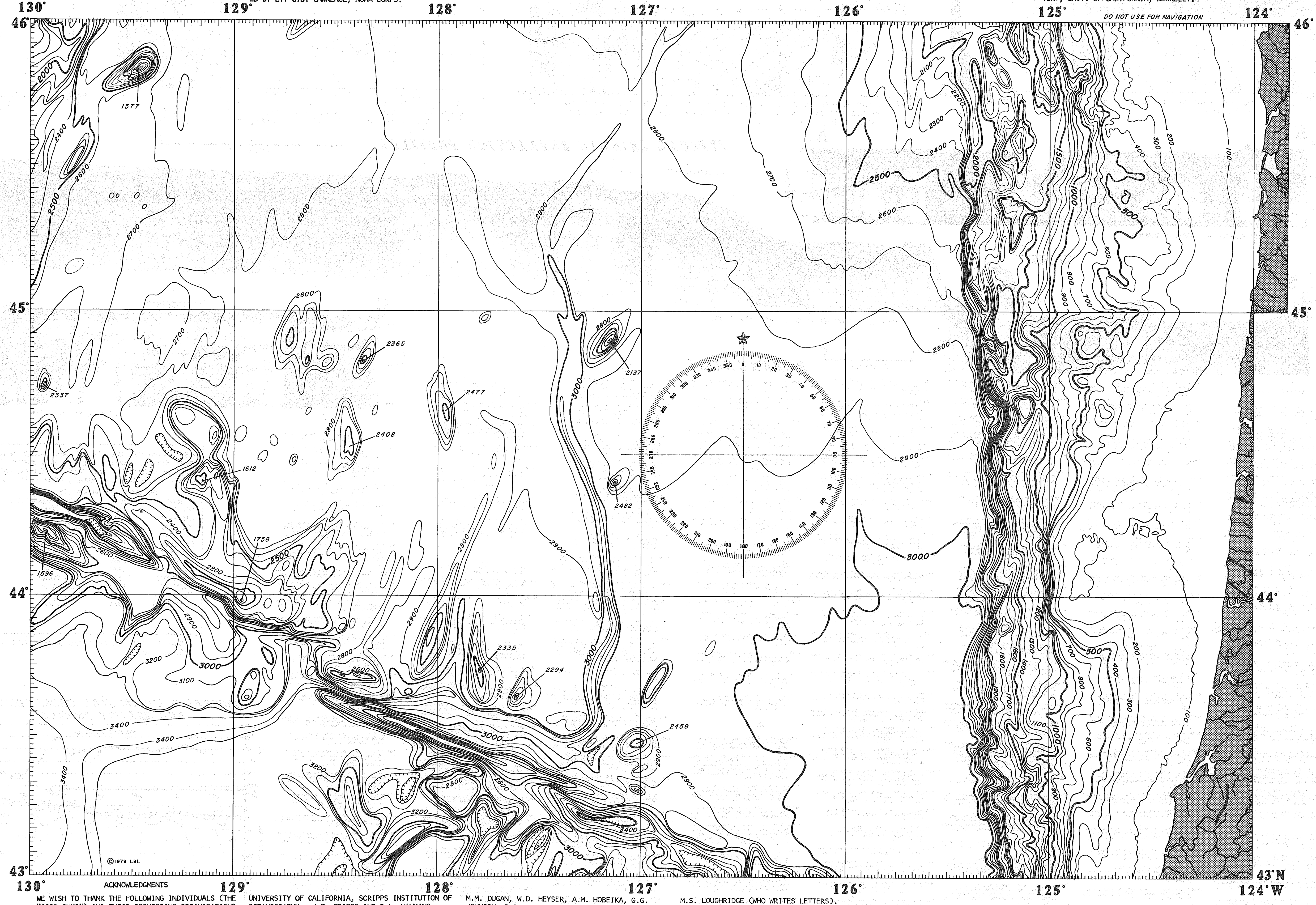
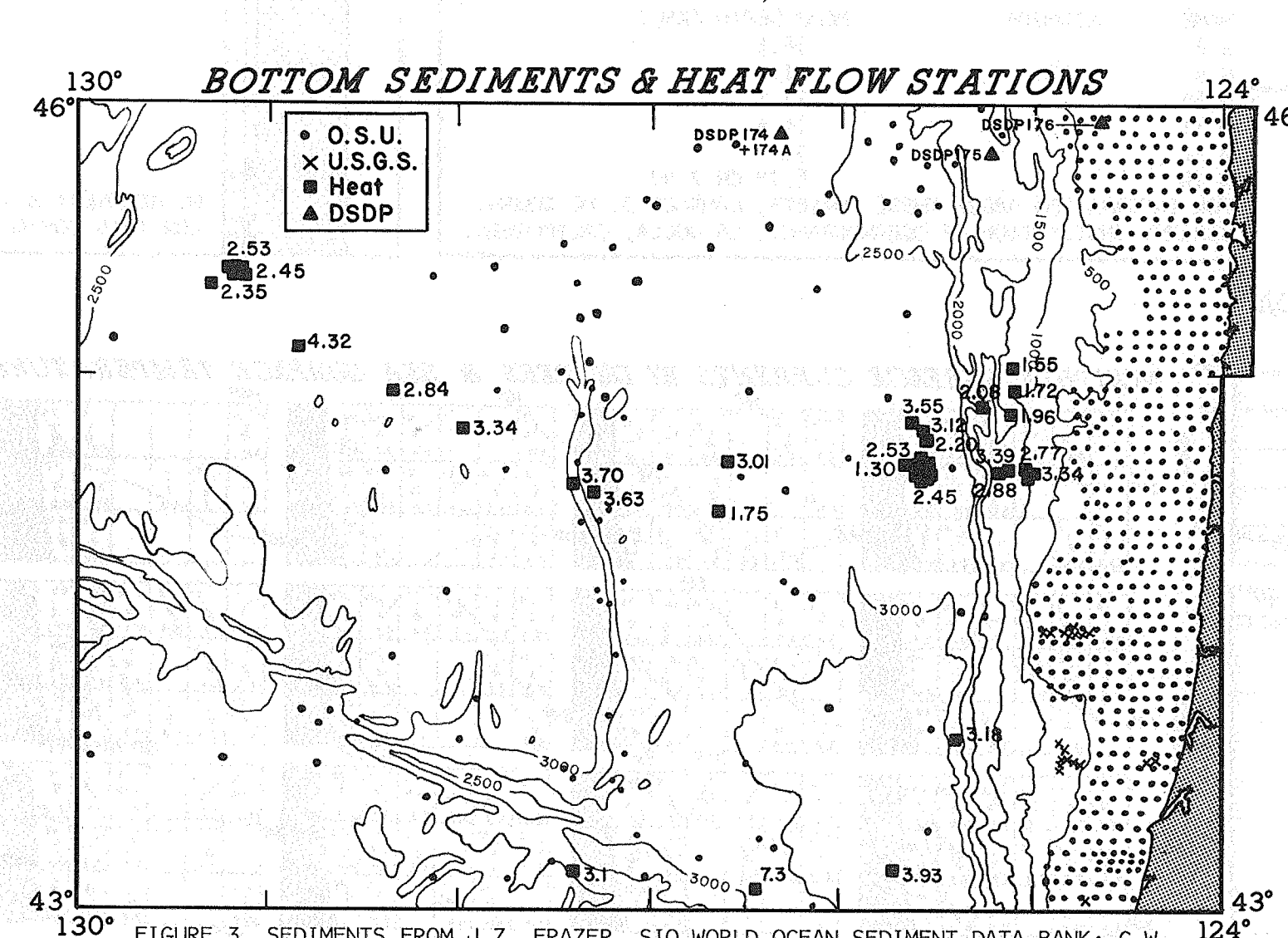
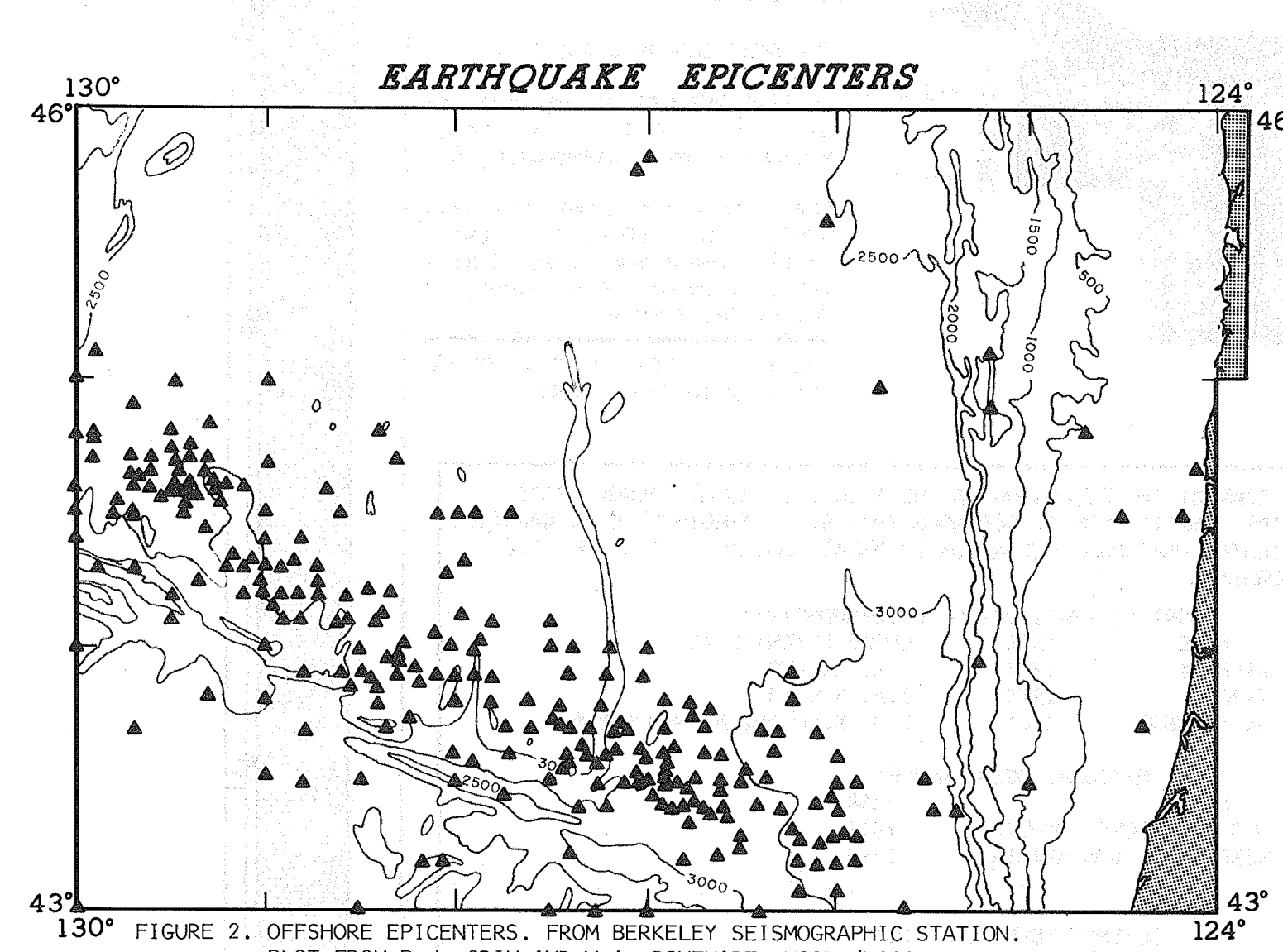
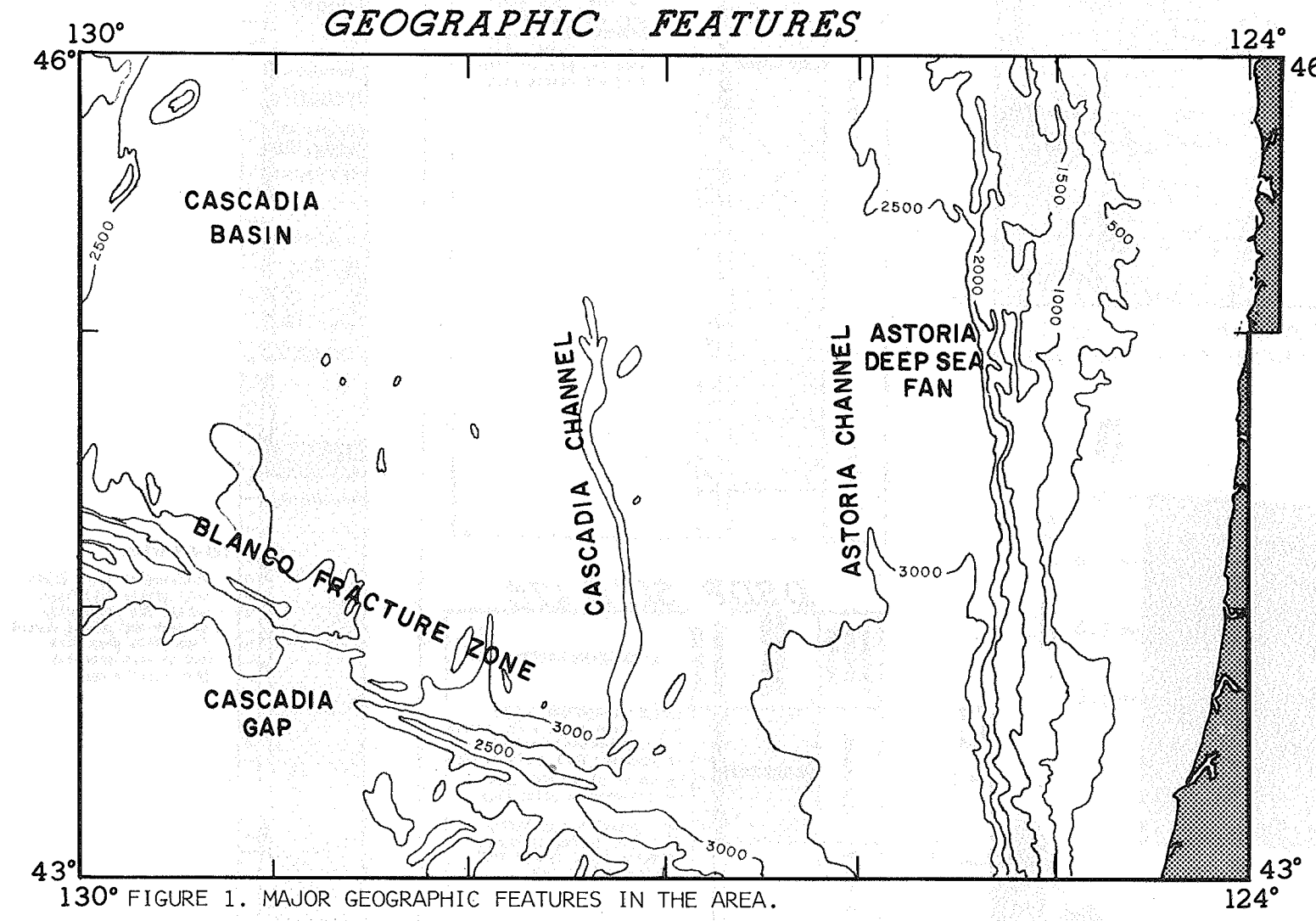
MERCATOR PROJECTION  
SCALE  
1 TO 776,073 AT 45°N LATITUDE  
CONTOUR INTERVAL = 100 METERS  
CORRECTED FOR SOUND VELOCITY  
FROM MATTHEWS TABLES, AREAS 24 AND 44

BOTTOM CONTOURS FROM: D.A. MC MANUS, H.W. MENARD, T.E. CHASE, J. MAMMERICKX, AND NATIONAL OCEAN SURVEY, NOS SOUNDINGS SUPPLIED BY LT. C.B. LAWRENCE, NOAA CORPS.

EXPLANATION  
THIS DATA COMPILATION IS A COMPANION SHEET TO FOUR PREVIOUSLY ISSUED MAPS PROVIDING OFFSHORE COVERAGE OF THE WEST COAST OF THE UNITED STATES BETWEEN LATITUDE 34° NORTH AND THE CANADIAN BORDER (SEE LOCATION MAP AT LEFT).  
THE AIM OF THIS WORK IS TO PROVIDE A MAP OF CONVENIENT SIZE THAT (1) SUMMARIZES OCEANOGRAPHIC DATA OFF OREGON 43° TO 46° NORTH INCLUDING THE ASTORIA DEEP SEA FAN, (2) CAN BE USED AS A BASE MAP FOR GEOLOGICAL INVESTIGATIONS AND (3) A WORKING CHART DURING SHIPBOARD OPERATIONS; AND (4) COULD BE EASILY REVISED AND MODIFIED AS NEW INFORMATION BECOMES AVAILABLE.  
ALTHOUGH WE ARE MARINE GEOLOGISTS, WE RECOGNIZE DATA FROM OTHER BRANCHES OF OCEANOGRAPHY WILL ULTIMATELY HAVE BEARING ON MARINE PROBLEMS, THUS WE HAVE INCLUDED DATA FROM OTHER FIELDS OF MARINE SCIENCES.

THE REFERENCES LISTED ARE EXTENSIVE (BUT UNLIKELY TO BE EXHAUSTIVE) OF THOSE WRITTEN ABOUT THE AREA. WE LIST PARTICULARLY THOSE PAPERS AND REPORTS WE BELIEVE TO BE OF GENERAL INTEREST AND LET THE READER USE BIBLIOGRAPHIES FOR DETAILS.  
AS OUR BASE MAP IS NOT TO BE USED FOR NAVIGATION, WE LIST THE PUBLISHED NAVIGATION CHARTS PLUS THE PERTINENT COAST PILOT FOR THOSE PLANNING CRUISES IN THE AREA. THE COAST PILOT IS A VALUABLE AD AS IT GIVES WEATHER AND HARBOR INFORMATION WHICH IS NECESSARY FOR OPERATIONS IN THE ROUGH SEA OFF THE COAST.  
FOR REFERENCE CAPTION, USE:  
WILDE, P., T.E. CHASE, M.L. HOLMES, W.R. NORMARK, J.A. THOMAS, D.S. McCULLOCH, P.R. CARLSON, L.D. KULM, AND J.D. YOUNG, 1979, OCEANOGRAPHIC DATA OFF OREGON 43° TO 46° NORTH INCLUDING THE ASTORIA DEEP SEA FAN., LBL PUB. 253, LAWRENCE BERKELEY LABORATORY, UNIV. OF CALIFORNIA, BERKELEY.

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M.S. LOUGHRIDGE (WHO WRITES LETTERS).

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NOTE: THE DATA LISTED HERE IS OFTEN AVAILABLE FROM THE NATIONAL GEOPHYSICAL AND SOLAR-TERRRESTRIAL DATA CENTER, BOULDER, COLORADO. IT IS SUGGESTED HOWEVER, THAT THE USER CONTACT THE ORIGINAL SOURCE TO CHECK ON AVAILABILITY AND COSTS.