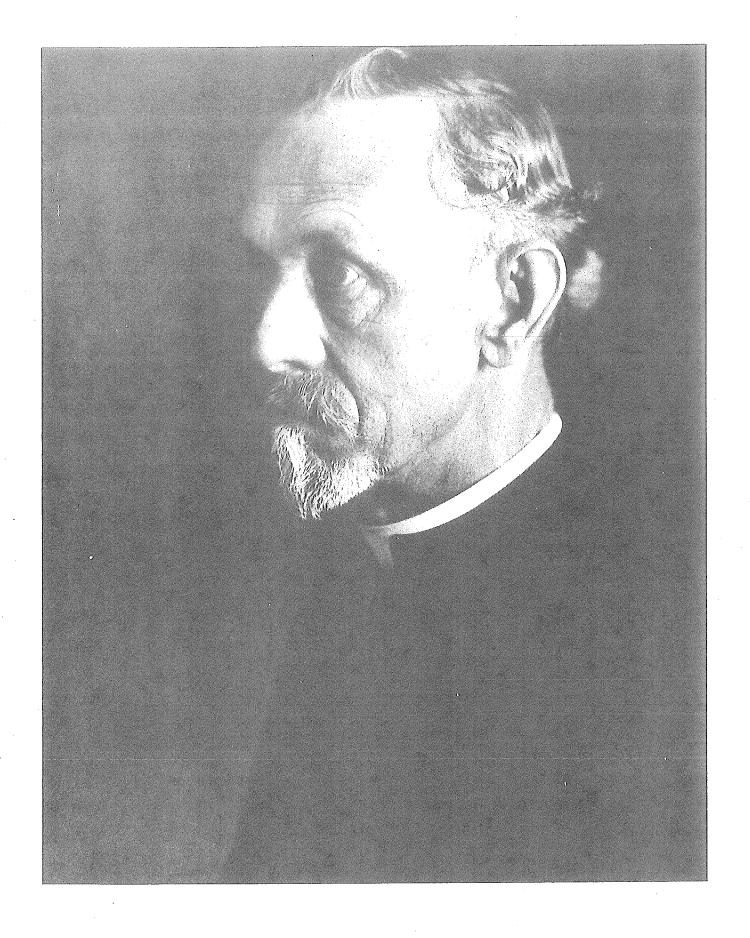
TWENTY-FIFTH ANNIVERSARY COMMEMORATIVE VOLUME

JESUIT SEISMOLOGICAL ASSOCIATION

1925-1950

JESUIT SEISMOLOGICAL ASSOCIATION



Reverend Frederick Louis Odenbach, S. J.

TWENTY-FIFTH ANNIVERSARY COMMEMORATIVE VOLUME

JESUIT SEISMOLOGICAL ASSOCIATION

1925-1950

JAMES BERNARD MACELWANE
PRIEST OF THE SOCIETY OF JESUS
EDITOR

CENTRAL STATION
SAINT LOUIS UNIVERSITY
1950

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By

James B. Macelwane, S. J.

FOREWORD

This volume is dedicated to the commemoration of the Golden Jubilee (1900-1950) of seismological investigations under Jesuit auspices in the United States and Canada and to the Silver Jubilee (1925-1950) of the establishment of the Jesuit Seismological Association. It thus covers two consecutive periods of twenty-five years each in the history of American Jesuit seismology.

The first period begins with the construction in 1900 of a simple seismograph for experimental purposes by Father Frederick L. Odenbach, S. J., and Brother George E. Rueppel, S. J., at John Carroll University, then Saint Ignatius College, in Cleveland, Ohio. This research will be described in the chapter devoted to the Cleveland Seismological Observatory of John Carroll University. During that period most of the Jesuit seismological stations were founded and were for a time united in a Jesuit Seismological Service under the direction of Father Odenbach.

The second period begins with the meeting of official delegates at Loyola University, Chicago, Illinois, August 24, 1925, at which all the seismological stations

under Jesuit auspices in the United States agreed to unite, the name, Jesuit Seismological Association, was adopted and a permanent organization effected. At the same meeting the Central Station of the Jesuit Seismological Association was established at Saint Louis University, both as a research center and as an administrative headquarters under the direction of Father James B. Macelwane, S. J.

The volume is divided into three parts of unequal length. The first part is devoted to a sketch of the history of the Jesuit Seismological Association and its Central Station. The second part comprises a series of chapters describing each of the seismological stations or observatories that have at any time been members of the Jesuit Seismological Service or the Jesuit Seismological Association. The third part contains a list of publications by personnel at any time connected with the Jesuit Seismological Association or its member stations.

It is hoped that the record of past accomplishment may stimulate and encourage the efforts of those on whose shoulders will rest the burden of future development and that at the turn of the century our good mother the Society of Jesus may look back on a glorious work done for the glory of her Lord and Leader.

It is sometimes asked why the membership of the Jesuit Seismological Association was restricted to the United States of America and why it did not embrace such

famous Jesuit observatories as Belen in Cuba, Bogota in Colombia, Cartuja and the Ebro in Spain, Kalocsa in Hungary, Ksara in the Lebanon, La Paz in Bolivia, Manila in the Philippines, Riverview in Australia, Stonyhurst in England, Tananarive in Madagascar and Zikawei in China. The answer is that extensive correspondence with these observatories at the time revealed a general conviction that informal cooperation was preferable to membership because it would leave the Association more free to act as an American organization and would be less open to misunderstanding.

Grateful acknowledgment is hereby tendered to all who have contributed text and illustrations and especially to Miss Margaret Hediger to whom the typography of the volume is largely due.

JAMES BERNARD MACELWANE, S. J., EDITOR

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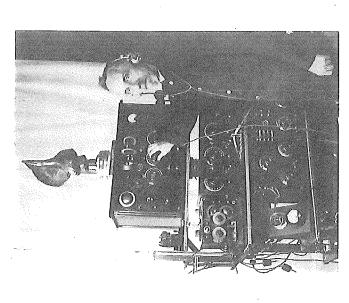
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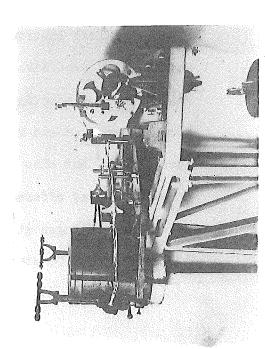
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PART ONE

THE JESUIT SEISMOLOGICAL ASSOCIATION



Father Odenbach at His Radio Time Service



The Wiechert 80 Kg. Horizontal Component Seismograph Used at All the Stations

Dost Card

Seismic Stations at Jesuit Colleges in O. (Central) Georgetown, D. C. Brooklyn, N. Y. Fordham, N. Y.

Venit Oriemological Service

CLEVELAND, O., STATION, U. S. A.

AII. = 206 M.

Seismic Record No. $\phi = 41^{\circ} 29' 08" - N$ $\lambda = 81^{\circ} 42' 29" - W$

COMP. S-N

Date

BT. IGNATIVE COLLEGE

MAIN END

Time, 90th Meridian. REMARKS:

E-W

Wiechert 80 Kg., Astalic, Horiz.

Magif. 80. Period 7" Damp. 5:1

MEV. F. L. ODENBACH, B. J.

Sample of Report Card Used by the Stations of the Jesuit Seismological Service