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THIRTEENTH CONVENTION

Of the Y. W. C. A. of the Northwest
Will be Held at the University
of Oregon This Week.

The thirteenth annual convention of the Young Women's Christian Associations of Oregon and Idaho will be held in Eugene this week, beginning on Friday morning and closing Sunday night.

There will be delegates present from the University of Idaho and State Normal School, from all of the colleges of Oregon, from the City Associations of Portland and Salem, and from Newberg and Eugene High Schools. About 175 delegates are expected, and will be furnished entertainment by the Eugene Associations.

The day sessions will be held in Villard Hall, but on Friday night and Sunday night, the convention will meet in the Methodist church. On Saturday night a reception will be given at the University to which all the students are invited.

Special music has been provided for each convention session, and the program promises to be a very interesting one.

Dr. Benjamin F. Young, of Portland, pastor of the Taylor Street Methodist Church, will speak on Friday night on "The Man of Nazareth." This address was given recently in Portland and is very highly spoken of by those who heard it.

Dr. Wm. F. Coburn, of New York, will have charge of the Bible Study work each day and will speak on Sunday afternoon at 3:30.

Other interesting speakers will be Miss Constance MacCorkle, Secretary of the City Association of Portland; Miss Maude Ewing Ross, Student Secretary for Oregon, Washington and Idaho; Miss Frances Gage, General Secretary, and Mrs. Jessie M. Honeyman, State President of Y. W. C. A.

The meetings will close with the convention sermon preached by Dr. George B. Van Waters, rector of St. Davids Episcopal Church, Portland.

PROGRAM

Friday Morning, Villard Hall

9:00—Scripture hour. The Beatitudes and the Twentieth Century. Matt

5:1-16. Miss Gage, Portland.
9:15—Bible Study. Dr. Wm. F. Coburn, New York.

10:15—Organization of convention. "Place of the Association in College Life. Pres. P. L. Campbell, Eugene.

11:00—Reports of State Officers.

Friday Afternoon, Villard Hall

2:00—Leaders' Meeting.

2:30—Scripture hour. Christ, the Moral Law. Miss Frances Gage.

2:45—Reports of Associations.

3:30—Settlement Work. Miss Valentine Prichard.

4:00—Social Economics. Mrs. Jessie M. Honeyman.

Friday Evening.

7:30—"The Man of Nazareth."—Dr. Benjamin F. Young, Portland.

8:00—National and State Work—Miss Frances C. Gage.

Saturday Morning, Villard Hall.

9:00—Scripture hour. Matt. 6:1-54. Miss Frances Gage.

9:15—Bible Study. Dr. Wm. F. Coburn.

10:15—Reports of Associations.

11:00—Business Meeting.

11:45—State Association Finance. Miss Gage.

Student Association Finances. Miss Gage.

Saturday Afternoon, Villard Hall.

2:00—Leaders' Meeting.

2:30—Scripture hour. The Christian and the other Man. Matt. 7:1-27. Miss Gage.

2:45—Comparative Study. The German Railway Mission and Travelers' Aid Work in Oregon.

3:15—Group Conferences.

4:15—Delegation Meetings.

Saturday Evening

8:00—Reception.

Sunday

9:00—Delegates' consecration service. The Authority of Jesus. Matt. 7:26-29. Miss Gage.

10:30—Church services.

3:30—Gospel meeting. Dr. Wm. F. Coburn.

7:30—The World's Young Women's Christian Associations and the Share the Pacific Coast has in it. Miss McCorkle.

8:15—Convention Sermon. Dr. Geo. B. Van Waters.

9:00—Farewell service. Mrs. Honeyman.

ENGINEERS HOLD MEETING

Addressed by A. J. Elton and Professor
Stafford on Goldschmidt Thermit
Process

Last Thursday evening in front of McClure Hall, a demonstration of the Goldschmidt Thermit Process was carried out under the direction of Prof. Stafford.

A. J. Elton briefly outlined to the appreciative audience of university students the chemical reactions involved and a few of the uses and economic possibilities which this process opens up for the future.

The demonstration consisted in placing within a crucible lined with a very refractory compound of magnesium-oxide and having a tapping device at the bottom, first a layer of sand and then the Thermit which is a mechanical mixture of aluminum and iron-oxide. Upon this was put some ignition powder, prepared by Prof. Stafford, consisting of barium peroxide and aluminum into which was inserted a ribbon of magnesium to serve as a fuse for the ignition powder.

In the process of combustion the aluminum unites with the oxygen of the iron-oxide to form a glassy slag of aluminum oxide, thus reducing the iron-oxide to metallic iron or steel of pre-arranged composition.

Within thirty seconds after the ignition of the ribbon the temperature of the mass rose to 5400 degrees F., the aluminum oxide gathered at the top of the molten mass as a flux and the iron was reduced and settled to the bottom of the crucible in a molten state. The mass was tapped upon a piece of steel to show the heating and welding effect.

The metal immediately melted the steel and then, alloying with it formed a perfect weld.

This process proved to be one of the crowning features in the success of the Japanese naval victories in the late war and is adopted in most if not all of the civilized nations of the world as one of the foremost discoveries in steel and iron castings and weldings.

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