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EARTHDAY CELEBRATION '97



PUGET SOUND CHEMIST

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PUGET SOUND CHEMIST



BULLETIN OF THE PUGET SOUND SECTION AMERICAN CHEMICAL SOCIETY

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Puget Sound Section, ACS, Executive Committee Future Meetings in 1997

Meetings are open to all members and are held on the second Wednesday of each month except there will be no meetings in July and August.

May 7, September 10, October 8, November 12, & December 10

**Place: North Seattle Community College
Meeting: 6:30 PM in 2430C**

Room 2430C is on the second floor above the book store.

APRIL MEETING

DATE:	Monday April 21, 1997
TIME:	4 PM
PLACE:	Seattle University, Bannon Bldg., Room 501
PROGRAM:	Conference of "Theological Education to Meet the Environment Crisis"
FEATURED SPEAKER:	Dr. Michael L. Parsons Professor of Chemistry Chair of the Health Science Department West Coast University
TOPIC:	"Global Warming: Fact or Myth"
DIRECTIONS:	Seattle University is located across from the Swedish Hospital in Seattle. Take the James Street Exit going north on I-5. Turn right, go to Seattle University Parking Garage at Broadway & Columbia.
SPONSORS:	Seattle University, Chemistry Department Puget Sound Section of the American Chemical Society Center for Respect for Life and Environment

The April meeting will be held as part of the Earth Day Celebration at Seattle University. Dr. Parsons will inform us about Global Warming. He will challenge us to think, discuss, and show us to decide for ourselves if it's real or just a pipe dream. We urge you to attend and learn about a part of our ecosystem that is certainly something we all need to understand.

FUTURE MEETINGS 1997

May 7th

Spring Social Event: **Honoring the 50 Year Members**

September 26th

Dr. Rudolph Marcus: **Nature and Gods**

October 13th

Dr. Helen Free: Chemistry: **Contributions to the Quality of Life**

November 5th

Dr. Michael Doyle: **Seeing is Deceiving: It's Eating That's Believing**

EARTHDAY CELEBRATION '97

A Celebration of Liturgy to Commemorate Earth Day

April 20 - 22, 1997

Dr. Loretta Jancoski, Dean of the School of Theology and Ministry, applied for and received a grant from the Center for Respect of Life and the Environment to participate as a lead institution in the Theological Education to Meet the Environmental Crisis (TEMEC) Project. Father Steve Sallis, adjunct faculty in the School of Theology and Ministry and liturgical consultant and priest in the Archdiocese of Seattle, was appointed the project facilitator.

A team of faculty, students, alumni, and staff have been working for over two years planning this year's Earth Day celebration: **A Celebration of Liturgy to Commemorate Earth Day**. The team decided to celebrate the four elements (Air, Earth, Water, and Fire) in a 24 hour cycle of liturgy as an appropriate and unique Roman Catholic form of Earth Day celebration.

Participants from the TEMEC Project, Seattle University students, faculty, staff, and alumni along with the public at large are invited to join in this great celebration of our Earth Day.

Concurrently, a conference on the "Theological Education to Meet the Environmental Crisis," will take place throughout the Seattle University campus from April 20 - 22, 1997.

The conference begins with an overview of the shifts in theology, liturgy, and ministry that are taking place in response to the ecojustice crisis. Ecojustice is defined as the balance of natural forces that constitute our ecosystem and the responsibility that man has in maintaining that balance. Justice that we seek in Nature is not a political (law & order) justice, but a feeling for what is morally right.

On Monday and Tuesday numerous workshops will be woven into the prayer service that will take place throughout the 21st and 22nd. The prayer themes will be the elements: Water, Fire, Air, and Earth. There will be plays on each of the various prayer themes throughout the campus.

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The workshops will feature:

- Changes in curriculum, outreach, and practices that have been put in place by various academic institutions in response to the ecojustice crisis.
- Resources for advocacy for appropriate population-consumption-environment policies.
- Leading edge thinking on liturgy.
- Seattle University's ecojustice efforts:

SCHEDULE of EVENTS

SCHEDULED EVENT:

Earth Day Celebration at Seattle University

PROGRAM:

Conference on "Theological Education to Meet the Environment Crisis"

April 21: 4:00-5:00 PM ACS Tour Speaker, Dr. Michael L. Parsons.

April 21: 9:00-9:45 PM Celebration of Fire by candlelit procession followed by all night vigil

April 22: 8:15-8:40 AM Morning Prayer celebrating Air.

April 22: 12:30-1:00 PM Midday Prayer celebrating Water.

April 22: 4:30-5:15 PM Evening Prayer celebrating Earth.

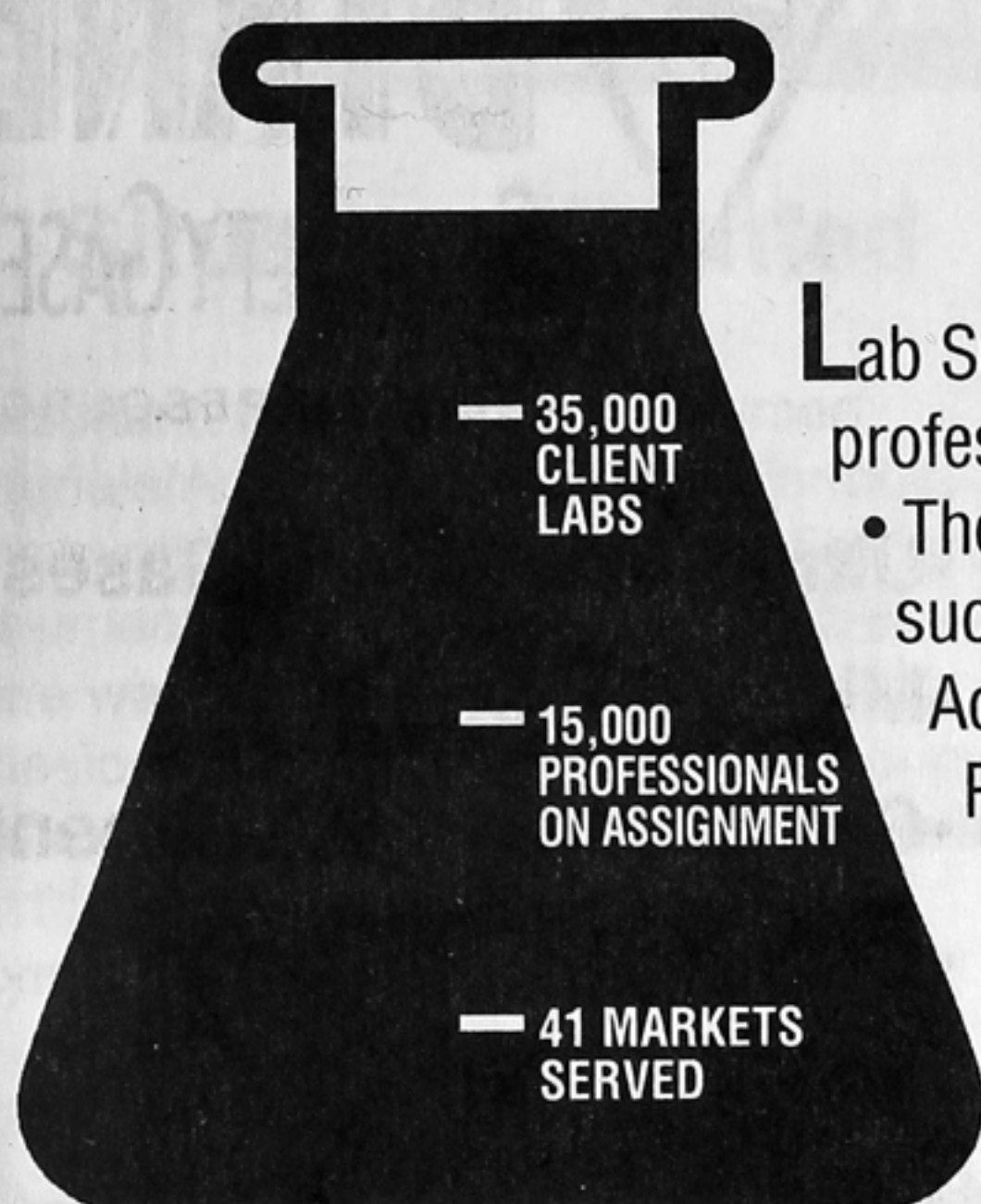
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DR. MICHAEL L. PARSONS — FEATURED SPEAKER AT THE APRIL MEETING OF ACS PUGET SOUND SECTION

Dr. Michael L. Parsons earned his B.A. and M.S. in Chemistry from Kansas State College (now Pittsburg State University), and Ph.D. from the University of Florida. During his seventeen years at Arizona State University, he published nearly 100 technical papers and four books and graduated 25 Ph.D. students. His many academic awards include the prestigious William F. Meggers Award from the Society for Applied Spectroscopy (1967 and 1975). Not only is Dr. Parsons a strong academician, he has government laboratory and industrial credentials as well. He spent four years at Los Alamos National Laboratory as Deputy Group Leader for the Analytical Chemistry Group, followed by five years at Pacific Scientific Company, where he was Vice President of Technology.

His many professional activities include membership in the American Chemical Society, Sigma Xi, the American Association for the Advancement of Science, and the Society for Applied Spectroscopy of which he was National President in 1979.

He is currently Professor of Chemistry and Chair of the Health Science Department at West Coast University in Los Angeles, CA. His popular book, *Global Warming: The Truth Behind the Myth*, was published by Insight Books in 1995.

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ABSTRACT

Global Warming: Fact or Myth

The issue of global warming due to greenhouse gas emissions has received much attention in the past few years. Enhanced by the ozone depletion issue, global warming has been brought to international forums, resulting in agreements to slow production and emissions of such gases. Climate change is far more complex than ozone depletion, however. In addition, greenhouse gases start with natural, not human-made, chemicals.

Many exaggerations and false statements have been made with respect to global warming, leading to misunderstanding and misconception about the nature and extent of the problem. The scientific facts do not provide proof of global warming caused by anthropogenic greenhouse gas emissions! Don't misunderstand, there is no question that the greenhouse phenomenon exists, but there are other forces at work on our planet that are far more influential than greenhouse gases. One such force is solar flux. The sun, which is variable in its output, provides most of the earth's warmth, and yet its effect has been held constant in computer models that predict dire consequences of greenhouse gases. Other important effects, such as ocean and cloud variations, have also been poorly accounted for in these models.

A popular but scholarly presentation will address facts of global climate, computer models used to predict the effect of greenhouse gases, the source and balance of the most important greenhouse gases (water vapor and carbon dioxide), and factors and variables left out of climate models (solar flux, water balance, carbon dioxide balance, ocean effects). Finally, an attempt will be made to put the issue into proper scientific perspective.



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