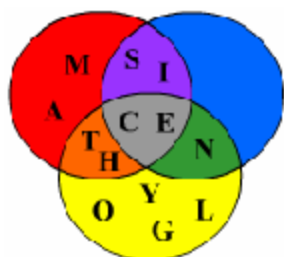


CASMEO
Inc.

The Apothem

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Special points of interest:

- Report of Spring 2002 Forum
- Watch for our Fall Conference on "Partnerships"
- OCTM begins lists serve to link mathematics educators across the state
- Executive Committee proposal for summer programs

Executive Board Meeting

The Executive Board met on Monday, 31 May 2002. All officers, the Executive Director, and one member-at-large were present. Bob Howard gave a financial report. All bills have been paid. With a previous balance of \$2944.35, expenses totaling \$8507.31, and income totaling \$14295.61, we have a current balance of \$8732.65. We have also invoiced a school district for FAMES kits that have already been delivered to the site.

CASMEO Executive Board voted unanimously to support a public outreach activity. Mathematics and science curriculum would be developed and presented at the Borders bookstores in Norman, Oklahoma City, and Tulsa this summer. These learning activities could also be used as summer enrichment camps for children, PTA programs, library programs, etc. This project will be financed from the current budget. Curriculum developers will be paid \$500 each. An assistant will be selected for each curriculum builder and will be paid \$50. For three developers and three

assistants the cost will be approximately \$1650. This does not include cost for materials and travel.

CASMEO has the promise of a \$7000 grant match from SEDL to use for professional development. The committee voted unanimously to fund a teacher-leader institute aimed at assisting school personnel to use data to drive decision-making and improve student learning.

The CASMEO/SEDL Fall Forum scheduled for 5-6 September 2002 was discussed. CASMEO will assist in providing panel members to support the Partnership theme and act as the local host. The Forum will be held in Oklahoma City and includes representatives from Texas, Louisiana, Arkansas, and New Mexico.

Objectives for the year 2002-2003 were discussed. The group listed the following:

- Acquaint and update legislative leadership, the Governor, and the Secretary of Education with efforts of CASMEO;

- Strengthen existing partnerships

and enlarge the pool of business partnerships;

- Develop awareness of CASMEO with public school administrators, school boards and education coalitions;

- Develop collaborations with OSTA and OCTM;

- Establish communications with OEA and AFT; and

- Continue public outreach.

The group also developed a tentative Action Plan which would enable these objectives to be met in the coming year.

The CASMEO website has been updated. Information for and questions about the site should be sent to Sandy Johnson at johnson@ou.edu.

This is the first newsletter published by CASMEO. It is suggested that this be a semi-annual activity which will keep all members of the organization informed of activities and events sponsored by CASMEO. Suggestions and comments may be sent to Sandy Johnson.

CASMEO, INC. 501 (c) (3) status update

CASMEO, Inc. members received notification in April that we now have tax-exempt status. In the letter it is stated that since we are a newly formed organization that "during an advanced ruling period you will be treated as a publicly supported organization, and not as a private foundation. This advanced ruling

period begins and ends on the dates shown above." Those dates are from 12 December 2001 to 30 June 2006. According to our legal counsel, Jon Trudgeon, the Service did not make a final determination of the tax status of our organization, but rather reserved the right to reconsider its status at the end of its Advanced Ruling

Period which is 30 June 2006. Within 90 days after the end of that period, we must provide information needed to determine whether we have met the requirements of the applicable support test during the Advanced Ruling Period to establish that we are indeed a publicly supported organization.

Highlights of NASSMC/NASA Annual Meeting

NASSMC/NASA Annual Meeting

The National Alliance for State Science and Mathematics Coalition (NASSMC) Directors Annual Meeting was held 12-13 March 2002 at the Maritime Institute of Technology in Baltimore, Maryland. This year CASMEO's Executive Director, Sacra Nicholas served on the conference design team.

The New Education Environment Report

—Jodi Peterson, Director of Legislative Affairs for the NSTA and Pat White, Executive Director for the Triangle Coalition outlined funding for mathematics and science that was being proposed on the "hill." They asked for names of supporters from state level mathematics and science coalitions to include in a letter to Congressmen. This letter encouraged government officials to keep their commitments to math and science education by fully funding the Department of Education's Math and Science Partnership Initiative at the \$450 million level it was authorized to be

Executive Director of CASMEO, Sacra Nicholas served on the NASSMC conference design team.

funded. Currently only \$12.5 million has been appropriated. (Approximately 25 CASMEO associates gave permission to have their names submitted in this awareness effort).

National Alliance of Business (NAB) Bob Jones, President and CEO, outlined the business perspective on partnerships and plans for increased involvement of business in the implementation of state and national standards with appropriate accountability measures.

NSF Math Science Partnership (MSP) Grants Report

—Kathryn Chival, Program Director, Elementary, Secondary, and Informal Education, NSF, discussed a number of key features the grant readers will be considering in their evaluation process. Robert Howard, Dolores Mize, and Stacey Weinand spent countless hours developing an Oklahoma statewide MSP proposal. Howard, University of Tulsa, was designated as the Principle Investigator. Other co-PIs are Jayne Fleener of University of Oklahoma. Dolores

Mize of OSRHE, and Smith Holt of Oklahoma State University.

Sacra Nicholas attended a number of planning meetings for the proposal in order to support this collaborative effort.

Funding a Coalition Report -

Francis Eberle, Executive Director, Maine Math and Science Alliance outlined some of the ways the Maine alliance had diversified funding sources to obtain and retain funding.

Developing Legislative and Policy Support -

Gerry Meisels, Chairman of the Florida Coalition for Improving Mathematics and Science Education shared a variety of strategies to build relationships with legislators including providing data and information to support well-informed decisions.

Check out our website at <http://www.casmeo.org> developed, maintained, and hosted by Anautics, Inc. Newsletter: Sandy Johnson

CASMEO/SEDL Spring Forum Report

CASMEO/Southwest Educational Development Laboratory Education Leadership Spring Forum was held on 2 April 2002. Approximately 75 science and mathematics teacher/consultants, principals, and educational and community leaders attended an Educational Leadership Forum at the University of Central Oklahoma in Edmond.

Altheda Anderson, Chief of the Education and Training Partnership Program Office, Tinker Air Force Base, provided perspectives on work force needs facing businesses. According to Anderson, Air Force studies indicate 46% of the work force will be eligible for retirement in the next 5 years. Responding to Tinker's need to fill approximately 6,000 positions from FY 01—FY 06, they are taking a proactive stance by partnering with Oklahoma educational institutions to ensure students have the necessary knowledge and skills to be successful employees. Ms. Anderson reported that although various levels of math proficiency are required for a successful career, the workloads in the future will require higher levels of technology and greater math and science proficiencies.

Rick Huntley, Executive Director of Education and Economic Development for the Williams Company spoke about "Why is Business Interested in Education?" Mr. Huntley outlined 7 career areas of anticipated shortage in the future and highlighted some of the reasons business supports strong standards and accountability as necessary steps in keeping the United States competitive globally. He reported that 46% of the total degrees awarded in China are engineering degrees. The number of engineering degrees in the US, however, has steadily declined over the past 30 years to just 5% of the total degrees granted. For more information, visit www.nab.com.

Greg Main from Oklahoma Academy was the luncheon speaker. His topic was "Competing in an Innovative World." Mr. Main traced the Oklahoma Academy's involvement in education which began during the first term of former governor Henry Bellmon and continues to this day. Mr. Main's latest charge is to inform the Oklahoma public about two goals on which the Academy is currently working include creating a culture of

learning in Oklahoma and encouraging and supporting science and technology based innovation, entrepreneurship and economic competitiveness. To read more about the Academy's innovative approach to supporting education, visit www.okacademy.org.

Two concurrent sessions were attended by the participants. Janice Burres, Educational Consultant from Plano, Texas presented a session on "Using Data, Getting Results." This was an introduction to the use of data to analyze, plan, and guide educational decisions to improve student learning through collaborative inquiry processes.

Como Molina and Maria Torres, Southwest Educational Development Laboratory presented an overview of the book *Building Leadership Capacity in Schools* by Linda Lambert. The book was provided for each participant and was used to explore concepts of shared leadership. Visit <http://sedl.org>.

Brief presentations were also made by Jean Cate and Randy Averso, Oklahoma: Achievement through

(continued Report, page 3)

CASMEO Board of Directors

In the January 2002 meeting, CASMEO reorganized under new By-Laws which constituted a Board of Directors to govern the organization. The Board of Directors and their respective affiliations are:

Julie Angle

OK Science Teachers Assoc.

Linda Bailey

Math Consultant

Debbie Blue

OBU/Oklahoma Board of Education

Bill Bray

American Indian R & D

Tom Carlisle

Phillips Petroleum Corp.

Floyd Coppedge

OK Secretary of Education

Katie Dunlap

OK State Department of Education

Jayne Fleener

University of Oklahoma

Ted Gillespie

OK Commission for Teacher Preparation

Tom Gruber

Office of the Attorney General

Larry Hesler

OK Council for Teachers of Math

Phyllis Hudecki

OK Business Education Coalition

Sandy Johnson

CASMEO President

Mike Lapolla

OSU Osteopathic Medical Assoc

Karen Leveridge

Business Consultant

Stephen Marble

Southwest Educational Development Laboratory/SCIMAST

Belinda McCharren

OK Dept of Career Tech Education

Dolores Mize

OK State Regents for HE

Patricia Podolec

Delta Faucet

Rep. Larry Roberts

OK House of Representatives

Suzanne Spradling

OK Building a Presence for Science

Doug Sprung

University of Central OK

Mary Stewart

Tulsa Public Schools

Alfred Striz

University of Oklahoma

John Urlich

Aerospace PD Center

John Woods

Southwestern Ok State University

List serve for CASMEO and OCTM...contact Stacey Weinand, sweinand@osrhe.edu

CASMEO Events

CASMEO recently participated in the May 4th Oklahoma NASA Space Grant Consortium's Space Day at the Omniplex in Oklahoma City. CASMEO displayed the Family Adventures with Math, Engineering, and Science program featuring learning kits based on shapes, bugs, and space. In addition, the Family Adventures with Water summer calendar was available as a teacher resource to encourage students to continue exploring mathematics and science experiences over the summer months. Other features of our booth included an estimation jar contest, exemplary science and math lesson plans, and a fact sheet

"The primary question was not what do we know, but how do we know it." -Aristotle

for summer professional development in mathematics and science education.

Report (continued from page 2)

Collaboration and Technology Support (OK-ACTS), They outlined a Gates Partnership/Center for Educational and Community Renewal Project at the University of Oklahoma. This school leadership project seeks to improve students' achievement by connecting, supporting, and educating 800 Oklahoma principals and superintendents in the process of developing professional learning communities by facilitating systemic change,

authentic student learning, technology integration, and collaborative networking.

Diane Martinez, principal at Hoover Elementary School in Bartlesville discussed benefits of participating in a study group of administrators in the Bartlesville school district based upon the 8-session Annenburg video series, "Principles of Principals."

Sacra Nicholas, Executive Director of CASMEO discussed highlights of the Eisenhower National Clearinghouse ENC Focus, Volume 9, Number 1, 2002 which features a *Teacher Professional Learning Guide—By Your Own Design* that is available free or can be downloaded at www.enc.org.

Family Adventures with Mathematics, Engineering, and Science

Family Adventures in Mathematics, Engineering, and Science (FAMES) is a project created for parent groups and the community to increase awareness of the importance of early childhood experiences as a foundation for mathematics, engineering and science concepts. FAMES was created by CASMEO representatives from the education and business sectors working to support and coordinate efforts to revitalize mathematics and science education in Oklahoma.

Partners with CASMEO in the FAMES

project are

OSRHE, SDE, O-PTA, and SEDL/SCIMAST.

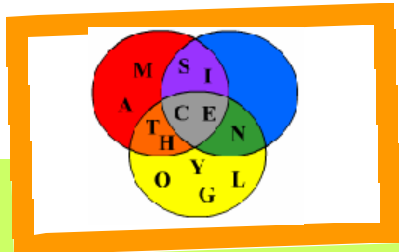
FAMES learning kits for children with literature and activities for families based on shapes, bugs, and space can be found in participating Oklahoma libraries.

In addition, the Family Adventures with

Water summer calendar emphasizes activities which can be done with water and is available on the website URL <http://www.odl.state.ok.us/fames/>

Watch for mathematics and science education hands-on activities for children at

Borders in Norman, Oklahoma City and Tulsa in July. Contact person is Stacey Weinand, sweinand@osrhe.edu



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CASMEO INC.

Visit us on the
Web
www.casmeo.org

CASMEO MISSION

CASMEO, Inc. has one basic goal...to ensure that every student in Oklahoma has the opportunity to learn science and mathematics skills s/he will need in today's marketplace.

CASMEO is a nonprofit alliance of representatives from business, education, and the private sector working to support and coordinate efforts to revitalize science and mathematics education in the state of Oklahoma.

CASMEO's overall task is to encourage, coordinate and facilitate state-wide efforts to achieve curriculum changes and professional development in science and mathematics education.

2002 Officers

President: Sandy Scaffetta Johnson, Ph.D.

University of Oklahoma

johnson@ou.edu

V. President: Stacey Weinand

Oklahoma State Regents for Higher Education

sweinand@osrhe.edu

Secretary: Jan Sands

Putnam City Public Schools

butterflyscience@hotmail.com

Treasurer: Robert Howard, Ph.D.

University of Tulsa

robert-howard@utulsa.edu

Executive Director: Sacra Nicholas, Ph.D.

University of Oklahoma

snicholas@ou.edu

Expanded NASA/NASSMC Linking Leaders Program

NASSMC News Bulletin

The primary goals of the Linking Leaders program are to provide resources and opportunities for state-level leadership groups to collaborate with NASA and its affiliates for the purpose of aligning NASA's resources with the state's mathematics, science, and technology education (MSTE) reform agenda; and to build the commitment to establish and strengthen a broad-based coalition to address the state's MSTE needs.

25 April 2002

NASSMC is pleased to announce that response to the RFP for Linking Leaders VII include a number of NASSMC's larger, well established coalitions. The new configuration allows for a broader range of program activities and specifically allows for the needs of those "mature" coalitions not requiring the start-up and developmental phases but still wishing to partner with NASA for optimum utilization for agency's in-state resources. While expanding the range of activities, Linking Leaders will continue to support the highly successful structure building mode for new or reorganizing coalitions. States of

Minnesota and Tennessee were selected to participate.

Linking Leaders VI Update-

20-21 May was the date for the Idaho Linking Leaders Workshop. NASSMC, in collaboration with the Idaho Mathematics Coalition and NASA convened a group of approximately 40 business, public policy and education representatives to jointly develop an action plan for the improvement of science, mathematics, and technology education in Idaho. Governor Dirk Kempthorne, in his invitation letter to the participants, expressed the hope that state leaders in business, education, and policy would join together in this important effort. Linking Leaders VI organizers in the state of Pennsylvania are now preparing workshop design meetings for the Fall. The Pennsylvania workshop will be rescheduled in January or February 2003.

NASSMC Website Update

The fully updated NASSMC website providing general information, links to the member coalitions, and to national organizations and resources will be available soon. John Gross, NASSMC executive assistant, is responsible for this effort which is aimed at upgrading and expanding the information

on the site and improving its usefulness to the coalitions.

The site URL is: <http://www.nassmc.org/>

Other Links:

Oklahoma Council of Teachers of Mathematics: <http://www.octmok.org>

Oklahoma Science Teachers Association:

<http://www.angelfire.com/ok3/osta/>

NASA: <http://www.nasa.gov>

OCTM Conference—30 July 2002

New Approaches to Renew Your Math Program.

See Conference information :

<http://www.octmok.org>



United We Stand