President Address

Michelle Walters, DO, Carol Houston and I recently returned from the AOA’s Advocacy for Healthy Partnership meeting in Phoenix. As a result of this meeting, one action that the Board is considering is a restructure of the AOCR committee system to promote increased efficiency through consolidation. As a result you may see a smaller number of committees, but for those of you on committees, expect more involvement.

We would like to congratulate Susann Schetter, DO, for becoming the AOCR’s representative Councilor to the ACR. She will also serve as a member of the ACR Quality and Safety Commission. Our relationship with the ACR is very important and we know Dr. Schetter will represent us well.

For 2015, we will see the greatest number of members attaining Fellowship in the AOCR than in any previous year. At the 2015 Annual Meeting, we can look forward to congratulating Steve Min, DO; Philip Orons, DO; Rocky Saenz, DO; Steven Seidman, DO, and Donna Moyer, DO, as Fellows of the AOCR.

I would urge more AOCR members to try to attain this noteworthy status. To find out more, go to the Fellowship Criteria & Application page on the AOCR website.

One of my main goals as President is to bring value to membership. I believe that one of the most important ways to do this is through CME quality. For those of you who attended the fall mid year meeting on Spine Imaging and Interventions, I think you would agree with me that it was a world class meeting with a content and structure as noteworthy as any meeting anywhere and with a world class faculty also as noteworthy as any place in the world. I want to thank those who participated in the hands-on workshops, as the level of participation was positively viewed by the vendors who put on those workshops at no minor expense. I further wish to recognize Sheri Albers, DO, for the wonderful job that she did as Program Chair.

We can look forward to another great meeting coming up in April with an all-star faculty and a very broadly encompassing set of topics. So, see you at the Annual Convention in Las Vegas!
Posterior reversible encephalopathy syndrome (PRES)

Bernard F. Laya, D.O., Betsy Grace G. Cheng, M.D.

An 11-year-old boy presented with hypertension, seizure, and acute onset of blurred vision. An MRI was performed, showing bilateral asymmetric FLAIR hyperintensity in the cortical and subcortical regions of the occipital and parietal lobes.

See At The Viewbox on the JAOCR website.
AOCR Leadership Attends AOA AHP Conference

AOCR President Wade Wong, DO, AOCR President-Elect Michelle Walters, DO and Executive Director Carol Houston attended the AOA’s Advocacy for Healthy Partnerships (AHP) Conference in Phoenix, AZ, November 21-23. This annual conference brings together osteopathic society & state leaders to discuss a wide range of topics related to osteopathic medicine, leadership and key health policy issues affecting medicine and patients.

Pictured (from left): Michelle Walters, DO, AOCR President-Elect with Wade Wong, DO, AOCR President.

Single Accreditation System Update

The Accreditation Council for Graduate Medical Education (ACGME) has announced that effective January 1, 2015 the American Osteopathic Association (AOA) and the American Association of Colleges of Osteopathic Medicine (AACOM) officially became ACGME member organizations. This is a critical step toward the implementation of a single accreditation system for all graduate medical education (GME) programs in the U.S.

By June 30, 2020 all AOA-Approved programs must achieve initial accreditation status, as the AOA will cease to accredit GME programs. A detailed timeline for this transition is available on the ACGME website.

In order to facilitate this transition for radiology programs, the AOCR has representatives attending necessary meetings on their behalf. Bruce Wolf, DO, attended the recent Osteopathic Medical Education (OME) Leadership Conference in Los Angeles, CA. Frederick White, DO, and Bruce Wolf, DO, will also be attending the Joint AACOM & AODME Annual Conference in April.

AOCR Speaks Against Proposed Requirements by The Joint Commission

Valerie Jewells, DO, recently spoke on behalf of the American Osteopathic College of Radiology (AOCR) and the American Osteopathic Board of Radiology (AOBR) in opposition to proposed requirements by The Joint Commission for radiologists who interpret CT examinations. Dr. Jewells was one of four radiologists on a conference call with The Joint Commission to discuss the proposed requirements and followed up with a written statement outlining the concerns of the AOCR.

One of the main areas of concern was that equally stringent credentials should apply to all who interpret CT exams and imaging studies and not just to radiologists. The proposed Joint Commission standards would not have been applied to non-radiologists. Dr. Jewells also addressed references to Maintenance of Certification (MOC) requirements and pointed out that not all radiologists are certified by the American Board of Radiology (ABR), and therefore, the AOBR maintenance of certification requirements (OCC) must also be a stated option. In addition, The Joint Commission was also attempting to change the current 3 year cycle for CME requirements to 2 years, and it was stated that this would result in a substantial burden and may cause certification issues if a radiologist underwent an extended absence for medical leave.

It was also pointed out that the general consensus by radiologists is that the ACR Standards/Appropriateness Criteria and ACR accreditation are substantive and applicable to all radiologists, and may be very useful to The Joint Commission for standardization of requirements.

The other radiologists addressing these issues on the call were in complete agreement with the above statements.

There has been no further information from The Joint Commission as to their plans on the proposed requirements moving forward.
Top Left: Speakers, William E. Shiels II, DO, (left) & Wade Wong, DO.

Top Right: Frederick White, DO, (center) AOGR Immediate Past President, presents co-program chair plaques to Wade Wong, DO, (left) and Sheri Albers, DO (right).

Center Left: From the left, Speakers Christopher Hancock, MD, Jeffrey Stone, MD and Wade Wong, DO.

Center Right: From the left, Speakers Steve Min, DO, Wade Wong, DO and William O’Brien, DO.

Center Left: From left, Speakers Wade Wong, DO, Kee Kim, MD and Sheri Albers, DO.

Center Right: From the left, Speakers Alyssa Watanabe, MD, Sheri Albers, DO & Ramsin Benyamin, MD.

Bottom Left: From the left, Attendee John Wherthey, DO, Speaker Sheri Albers, DO, Speaker Daniel Appelbaum, MD, Attendee Daniel Huddle, DO and Speaker Wade Wong, DO.

Bottom Right: From the left, Speakers Laxmaiah Manchikanti, MD and Valerie Jewells, DO.
Updates in Cross Sectional Imaging has been designed to provide updates in the various subspecialties of radiology emphasizing MR, CT, PET and US. Several of the subspecialty sections are structured with a mini-theme (e.g. Head and Neck for neuroradiology and Hip/Ankle for musculoskeletal radiology) to provide a more in-depth review of current hot topics and techniques which will appeal to both the general radiologist and the subspecialist. A combination of traditional lectures and case-based reviews including use of the audience response system (ARS) will be used to keep the attendee engaged in the discussion and the opportunity to practice/sharpen their skills throughout the conference.

Course Goals & Objectives:

- Identify key anatomic structures of the larynx.
- Recognize common and uncommon types of laryngeal pathology.
- Correctly characterize recurrent/residual disease versus normal post treatment changes in the neck.
- Review current applications for MR imaging of the neck in oncology.
- Be able to identify, generate an expert differential diagnosis for common and uncommon pathology in the pediatric brain, head and neck.
- Be able to identify and generate an expert differential for common pathology of the orbits and visual pathways.
- Be able to recognize and characterize common pathology at the skull base.
- Review key anatomic/pathologic findings on MRI of the hip including assessment of the labrum and findings of impingement.
- Review key pathologic findings on MRI for complications following hip arthroplasty, including protocol adjustments to deal with metal artifact.
- Review key anatomic/pathologic findings on MRI of the ankle and hind foot.
- Be able to recognize and discuss common metabolic disorders of the musculoskeletal system.
- Review updated AIUM imaging requirements for the level 1 obstetrical sonogram.
- Discuss relevant use and review key pathologic findings for ultrasound in obstetrical emergencies.
- Discuss current criteria and recommendations for nonviable pregnancy and abnormal postmenopausal endometrium.
- Discuss technique and review key anatomic/pathologic findings for MR of pediatric appendicitis.
- Review current concepts in advanced imaging for hepatocellular carcinoma including workup, LI-RADS, treatment, and follow-up.
- Discuss technique and review key anatomic/pathologic findings for MR enterography.
- Review PET/CT technique, current applications, and pitfalls in diagnosis.
- Review current applications for SPECT/CT.
- Review current PET/CT concepts in assessing response to treatment.
- Discuss current applications of CT for aortic stent/planning.
- Discuss patterns of ischemic/nonischemic cardiomyopathy on MR, updates on current application of calcium scoring, and review common coronary anomalies.
- Review current concepts in high resolution lung CT and briefly review disorders of airways.
- Brief overview of new LungRADS reporting system.

Program Faculty

**PROGRAM CHAIR**

Timothy A. McKnight, DO
Botsford Hospital

**FACULTY**

Aaron D. Anderson, DO
Mercy Medical Center

Christine B. Chung, MD
University of California San Diego

Juliana M. Czum, MD
Dartmouth-Hitchcock Medical Center

Douglas M. Johnson, DO
Gaston Radiology

Sharon A. Kreuer, DO
University of Pittsburgh Medical Center

Brooke Lampl, DO
Cleveland Clinic

Suresh K. Mukherji, MD, MBA, FACR
Michigan State University

William T. O’Brien, Sr., DO
Travis Air Force Base

Kathleen E. O’Mara, DO
Aurora Medical Group

Kevin C. Robinson, DO
Michigan State University

Rocky Saenz, DO
Botsford Hospital

Lori M. Strachowski, MD
University of California San Francisco

William T. O’Brien, Sr., DO
Travis Air Force Base

Kathleen E. O’Mara, DO
Aurora Medical Group

Kevin C. Robinson, DO
Michigan State University

Rocky Saenz, DO
Botsford Hospital

Lori M. Strachowski, MD
University of California San Francisco

Full faculty listings can be found on the AOCR website.
## MONDAY, APRIL 20 - NEURORADIOLOGY

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am</td>
<td>Registration &amp; Continental Breakfast</td>
</tr>
<tr>
<td>7:30 am</td>
<td>Opening Remarks</td>
</tr>
<tr>
<td>8:00 am</td>
<td>Anatomy and Pathology Larynx  - Mukherji</td>
</tr>
<tr>
<td>9:00 am</td>
<td>Post-Treatment Neck - Mukherji</td>
</tr>
<tr>
<td>10:00 am</td>
<td>Break</td>
</tr>
<tr>
<td>10:10 am</td>
<td>Differentials in Pediatric Head and Neck Imaging - O’Brien</td>
</tr>
<tr>
<td>11:10 am</td>
<td>Skull Base - Pathways of Disease - Wong</td>
</tr>
<tr>
<td>12:00 pm</td>
<td>Lunch on your own</td>
</tr>
<tr>
<td>1:10 pm</td>
<td>Advanced MR in Head and Neck Oncology - Mukherji</td>
</tr>
<tr>
<td>2:10 pm</td>
<td>Orbit and Visual Pathways - Wong</td>
</tr>
<tr>
<td>3:10 pm</td>
<td>Differentials in Pediatric Brain Imaging - O’Brien</td>
</tr>
</tbody>
</table>

## TUESDAY, APRIL 21 - MUSCULOSKELETAL

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am</td>
<td>Registration &amp; Continental Breakfast</td>
</tr>
<tr>
<td>8:00 am</td>
<td>MRI Hip - Labrum and Impingement Syndromes - Chung</td>
</tr>
<tr>
<td>9:00 am</td>
<td>MRI Hip - Soft Tissue and Osseous Pathology - Chung</td>
</tr>
<tr>
<td>10:00 am</td>
<td>Break</td>
</tr>
<tr>
<td>10:10 am</td>
<td>MRI around Metal - Total Hip Replacement &amp; Complications - Chung</td>
</tr>
<tr>
<td>11:10 am</td>
<td>MRI Ankle - Ligaments and Tendons - O’Mara</td>
</tr>
<tr>
<td>12:00 pm</td>
<td>Lunch on your own</td>
</tr>
<tr>
<td>1:10 pm</td>
<td>MRI Peripheral Nerve and Entrapment Syndromes - Chung</td>
</tr>
<tr>
<td>2:10 pm</td>
<td>Metabolic Disorders in MSK System - Chung</td>
</tr>
<tr>
<td>3:10 pm</td>
<td>MRI Ankle - Other Common Painful Hind Foot Disorders - O’Mara</td>
</tr>
<tr>
<td>4:30 pm</td>
<td>Resident Board Preparation Workshop - Drs. McKnight, O’Brien &amp; Saenz</td>
</tr>
</tbody>
</table>

## WEDNESDAY, APRIL 22 - PET & NUCLEAR MEDICINE

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am</td>
<td>Registration &amp; Continental Breakfast</td>
</tr>
<tr>
<td>8:00 am</td>
<td>Basics of PET/CT Imaging - Robinson</td>
</tr>
<tr>
<td>9:00 am</td>
<td>Pitfalls of PET/CT Imaging - Robinson</td>
</tr>
<tr>
<td>10:00 am</td>
<td>AOCR General Membership Business Meeting</td>
</tr>
<tr>
<td>10:30 am</td>
<td>PET/CT Response to Treatment - Wale</td>
</tr>
<tr>
<td>11:30 am</td>
<td>Lunch on your own</td>
</tr>
<tr>
<td>12:30 pm</td>
<td>SPECT/CT-Current Application - Wale</td>
</tr>
<tr>
<td>1:30 pm</td>
<td>Interactive Case Conference - Saenz</td>
</tr>
<tr>
<td>5:30 pm</td>
<td>Awards Ceremony</td>
</tr>
<tr>
<td>6:30 pm</td>
<td>Awards Reception</td>
</tr>
</tbody>
</table>

**DENOTES AOBR SAM CREDIT AVAILABLE**

## THURSDAY, APRIL 23 - WOMEN’S IMAGING/BODY IMAGING

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am</td>
<td>Continental Breakfast</td>
</tr>
<tr>
<td>8:00 am</td>
<td>Hepatocellular Carcinoma - MR/CT Imaging and LI-RADS - Anderson</td>
</tr>
<tr>
<td>9:00 am</td>
<td>Hepatocellular Carcinoma - Treatment Strategies and Follow-up - Anderson</td>
</tr>
<tr>
<td>10:00 am</td>
<td>Break</td>
</tr>
<tr>
<td>10:10 am</td>
<td>MR Enterography - Kreuer</td>
</tr>
<tr>
<td>11:10 am</td>
<td>MRI Pediatric Appendicitis - Lampl</td>
</tr>
<tr>
<td>12:00 pm</td>
<td>Lunch on your own</td>
</tr>
<tr>
<td>1:00 pm</td>
<td>The Level 1 OB US: An AIUM Update - Strachowski</td>
</tr>
<tr>
<td>2:00 pm</td>
<td>SRU Criteria for Nonviable Pregnancy in the 1st Trimester: Do No Harm - Strachowski</td>
</tr>
<tr>
<td>2:30 pm</td>
<td>OB Emergencies: The Role of Ultrasound - Strachowski</td>
</tr>
<tr>
<td>3:30 pm</td>
<td>Sonography of the Postmenopausal Endometrium: Controversies, Cut-offs &amp; Considerations - Strachowski</td>
</tr>
</tbody>
</table>

## FRIDAY, APRIL 24 - THORACIC/CARDIOVASCULAR

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am</td>
<td>Continental Breakfast</td>
</tr>
<tr>
<td>8:00 am</td>
<td>Transcatheter Aortic Stent-Valve Planning with CT - Czum</td>
</tr>
<tr>
<td>9:00 am</td>
<td>High Resolution Chest CT - Johnson</td>
</tr>
<tr>
<td>10:00 am</td>
<td>Ischemic and Nonischemic Cardiomyopathy: Delayed Enhancement Patterns on Cardiac MRI - Czum</td>
</tr>
<tr>
<td>10:30 am</td>
<td>Airway Disease - Johnson</td>
</tr>
<tr>
<td>11:00 am</td>
<td>Break</td>
</tr>
<tr>
<td>11:10 am</td>
<td>Coronary Anomalies - Czum</td>
</tr>
<tr>
<td>11:40 am</td>
<td>Lung Cancer Screening - Johnson</td>
</tr>
<tr>
<td>12:10 pm</td>
<td>Coronary Calcium Scoring Revisited - Czum</td>
</tr>
</tbody>
</table>

## HOTEL INFORMATION

**Mandarin Oriental**  
3752 Las Vegas Blvd South  
Las Vegas, NV 89109  
Reservations (888) 881-9578  
Group Rate: $209  
Use Group Code: AOCR2015  
Please make your reservation as soon as possible. Rooms at the discounted rate have been reserved for attendees on a first-come, first-serve basis and may sell out before the cut-off date of March 28, 2015. The group rate will be honored for three days pre/post meeting dates.

## ACCREDITATION

The AOCR is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The AOCR designates this live activity for a maximum of 32.5 AMA PRA Category 1 credits™. The AOCR is accredited by the American Osteopathic Association (AOA). The AOA has approved this CME Activity for 32.5 Category 1-A credits.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## DISCLOSURE

It is the policy of the AOCR to comply with the Accreditation Council for Continuing Medical Education (ACCME) Standards for commercial support of CME Activities. All faculty participants in the AOCR programs are required to disclose to the program audience any real or apparent conflict(s) of interest related to this meeting or its content. Faculty disclosure information is included in the course syllabus and will be disclosed by faculty as they present.

## REGISTER ONLINE (WWW.AOCR.ORG) OR BY PHONE (660) 265-4011
**OCC Questions?**

If you have a 10-year time-limited AOBR certification (Primary or CAQ) you are required to enroll and comply with OCC in order to maintain your board certification. Non-compliance may result in loss of your board certification.

[Click here for more information on OCC Requirements](#)

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**Interested in becoming involved in the AOBR?**

The AOBR is looking for motivated board certified physicians to become involved and assist in exam development. There are different involvement levels available that are sure to fit any lifestyle. Visit [www.aobr.org](http://www.aobr.org) under the "Becoming Involved" section. This is a great opportunity to earn 1-B CME credit and network with other board certified physicians!

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**2015 Exam Schedule**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Location</th>
<th>Application Deadline*</th>
<th>Fee Deadline**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiation Oncology Oral Exam</td>
<td>May 14-16, 2015</td>
<td>Chicago Marriott Suites O'Hare Rosemont, IL</td>
<td>Dec. 1, 2014</td>
<td></td>
</tr>
<tr>
<td>Diagnostic Radiology Written Exam Part I - Physics &amp; Part II - Diagnostic Imaging</td>
<td>September 12, 2015</td>
<td>O'Hare Hilton Chicago, IL</td>
<td>Feb. 1, 2015</td>
<td>July 1, 2015 (Fee covers both exams)</td>
</tr>
<tr>
<td>Radiation Oncology Written Exam</td>
<td>September 12, 2015</td>
<td>O'Hare Hilton Chicago, IL</td>
<td>Feb. 1, 2015</td>
<td>July 1, 2015</td>
</tr>
<tr>
<td>Diagnostic Radiology OCC Exam***</td>
<td>September 12, 2015</td>
<td>O'Hare Hilton Chicago, IL</td>
<td>July 1, 2015</td>
<td>July 1, 2015</td>
</tr>
<tr>
<td>Subspecialties (CAQ) OCC Exam***</td>
<td>September 12, 2015</td>
<td>O'Hare Hilton Chicago, IL</td>
<td>July 1, 2015</td>
<td>July 1, 2015</td>
</tr>
</tbody>
</table>

* Exam Applications can be found at [www.aobr.org](http://www.aobr.org)

**Exam Fees can be paid via credit card online, sending a check to the AOBR office or by phone at 312-202-8072 with a credit card.

***In order to register for the OCC exams, diplomates must be enrolled in OCC.
AOCR Education Foundation

The AOCR is grateful to the following members who have contributed to the AOCR Education Foundation from September 2, 2014 through January 20, 2015. The listing reflects the donor’s lifetime contributions.

Trustee Level
- Contribution of $10,000 and above
  - Michael Cawthon, DO+
  - Thomas Gleason, DO+
  - William E. Shiels II, DO+
  - Frederick White, DO+
  - Wade Wong, DO+

Curator Level
- Contributions of $5,000 and above
  - Paul Chase, DO+
  - David Fleszar, DO+
  - Lynwood Hammers, DO+
  - Richard Lynch, DO+
  - Philip Meyer, DO+
  - Richard Schip, DO+
  - Anthony Skiptunas, DO+
  - Paul Willman, DO+

President’s Level
- Contributions of $2,000 and above
  - Sherman Barnett, DO*
  - Catherine Barteau, DO*
  - John Becker, DO+
  - James Bise, DO+
  - Michael Caccamo, DO

New AOCR Members

ACTIVE MEMBERS
- Jennifer Flaim, DO
- Nazima Kathiaria, DO
- David Klipper, DO
- Naisadh Shah, DO
- Brian Shukri, DO
- Travis Snyder, DO
- Brooke White, DO
- Peter Zuehlke, DO

ASSOCIATE MEMBERS
- Kathy Borovicka, MD

RESIDENT MEMBERS
- Amenydu Advor, DO
- Loren Buck, DO
- Laura (Katie) Campbell, DO
- Steven Clerc, DO
- Lyudmila Demko, DO
- Rebecca Dennis, DO
- Guirgis Eskandar, DO
- Adam Evans, DO
- Amijeet Kalrao, DO
- Derek McAllister, DO
- Anna Morgan, DO
- David Reynolds, DO
- Chelsea Sheller, DO
- Patrick Wright, DO

STUDENT/INTERN MEMBERS
- Rajeev Aravapalli
- Robert Dolan
- Nathan Hastings
- M. Joanne Hill, DO
- Ben Hirshberg
- Julia Hobson, DO
- Mohammad Ismail
- Tyler Kemnic
- Jeff Lee, DO
- David Leitman, DO
- Anthony Mirabella, DO
- Nick Plundo, DO
- Ian Quin
- Benjamin Rezny
- Rachel Shikhman, DO
- Jeffrey Tetter, DO
- Tommy Tran
- Jordan Wyrya

In Memoriam

Richard H. Bethune, DO, 92, passed away peacefully on November 10, 2014.

Dr. Bethune graduated from what is now known as Midwestern University Chicago College of Osteopathic Medicine in Downers Grove, IL in 1945. Dr. Bethune completed an internship at Grand Rapids Osteopathic Hospital in Grand Rapids, MI in 1946 and radiology residency at Chicago Osteopathic Hospital & Grand Rapids Osteopathic Hospital, in 1949. He practiced for many years at Saginaw Osteopathic Hospital until 1981, when he assumed leadership of the radiology department at Grand Rapids Osteopathic Hospital (now Metro Health Hospital), where he remained until his retirements in 1989.

Dr. Bethune became an Active Member of the AOCR in 1953 and a Life Member in 1987. He was certified by the AOBIR in Radiology in 1958.

He is survived by his two sons Dr. Craig Bethune & Robert Bethune; one granddaughter, one great-granddaughter and one brother.

Recent Foundation Activities

- November Resident Lecture—Douglas Johnson, DO, Focused Specialty Review—Cardiopulmonary
- October Resident Lecture—Valerie Jewells, DO—Focused Specialty Review—Neuroradiology
- September Resident Lecture—Philip Orons, DO—Focused Specialty Review—Vascular/Interventional Radiology
- August Resident Lecture—Sharon Segal, DO—Focused Specialty Review—Neuroradiology
- June Resident Lecture—Christopher Cerniglia, DO, Focused Specialty Review—MSK
- May Resident Lecture—Cory Rizzardi, DO, Focused Specialty Review—GI/GU
- April 29, 2014, Board Preparation Workshop
- April 29, 2014, Foundation Sponsors and Past Presidents Luncheon

The AOCR Education Foundation takes pride in supporting the educational efforts of the AOCR. Your contributions enable us to continue to support our projects and begin new endeavors. Donation can be made online at www.aocr.org.

A full listing of all foundation contributors can be found on the AOCR website.