

THE STONE CHIPPER

THE 636TH MEETING OF THE AUSTIN GEM AND MINERAL SOCIETY WILL BE HELD ON THURSDAY, **MAY 21ST, 2009, 7:30 P.M.**, AT THE AGMS CLUBHOUSE, 6719 BURNET LANE, AUSTIN, TX. PHONE: (512) 458-9546.



The May program will be a talk by **Jin Sansom** on the geology of Texas with more specifics about the geology of the Austin area.

AGMS Annual Show
Gem Capers 2009
Palmer Events Center
October 23rd - 25th.
www.GemCapers.com

THE AUSTIN GEM AND MINERAL SOCIETY, INC.



All American Club
Awards
AFMS Gold & Tro-
phy 2002
AFMS Gold 2003,
2004
SCFMS Gold
2002,2003,2004

The AGMS is a member in good standing of the South Central Federation of Mineral Societies and the American Federation of Mineral Societies. Its editors are also members of SCRIBE. The club address is 6719 Burnet Lane, Austin, Texas 78757, and phone (512)458-9546. **The AGMS is a 501(c)(3) nonprofit organization.** Visit our website at www.AustinGemAndMineral.org. Contact our webmaster for website updates at DiannH@austingemandmineral.org.

PURPOSE

The purpose of the AGMS is to promote interest and education in the various Earth Sciences and other related subjects.

MEETINGS

The Society meets the fourth Thursday of every month except October which is show set up day. There will be a meeting on the THIRD Thursday in November. December is the Invocation of Officers meeting held on a date and at a place determined by the officers. Board meetings are called as needed. All members are welcome to attend. Society Officers are listed on the back page of this publication. Please feel free to contact any of them for information.

DUES FOR 2009

Membership dues are:

\$15.00 annually for an adult \$20.00 annually for a couple \$4.00 annually for juniors

THE STONE CHIPPER

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President's Message - Josie Middleton, President



Hi Guys. Just like the critters are starting to get out and about, so too are we rockhounds. With the Texas heat coming upon us, now is as good a time as any to make a day trip to Llano or Mason or any of your favorite retreats. So on that note, I would hope that you take great care in being out and about and possibly meeting unwanted critters, no matter what mode of travel they may use.

The board meeting has taken place, and I hope that some of you general members were able to attend. Last month's speaker was certainly knowledgeable enough to make me wonder what other hot spots might be out there that we can't see that we might travel right over when cruising on an ocean liner. I certainly never really thought about it. I hope that all of you enjoyed the talk.

Gordon May has donated some of his Mexican minerals and they are now in the display case. There is still a shelf that can showcase your wonderful things and let everyone see, at least for a month, your collection.

Lastly, on a sad note, I need to inform everyone that for a while now, off and on, items have turned up missing from the club house and elsewhere. Please be aware of this and do not leave any of your valuables out. If you have anything for show and tell, stay in the room while it is out so that it does not have a chance to walk away. That advice also includes your handbags and or planners which are filled with all kinds of personal information. Unfortunately it seems that whenever a group gets to be a very large size, a bad apple will turn up. As we all know from years of friendships with each other, the vast majority of rockhounds are honest to a fault – and for that we can be grateful.

Library News - Harriet Strieber, Co-librarian



The AGMS library is in need of inventory and a cleaning of the shelves. A definite work time has not been scheduled, but will be flexible to accommodate the volunteers. Due to the size of our library, the work probably will be spread out over several half-days in late May or early June.

Not only will your help be appreciated, but this also will be a good way to become more acquainted with the acquisitions. There will be a sign-up sheet at the next AGMS meeting for your convenience. If you would be willing to assist even for part of the time, please notify Andrea Miller or Harriet Strieber.

P.S. If one has any overdue items, please return or renew these materials as soon as possible.



Our thanks go to the following for their continued support of the A.G.M.S. by printing out the newsletter for us each month:

**Horizon Environmental
Services, Inc.
James and Jo Ann Wiersema**

AGMS Email List and Change of Address

NOTE: Please send notices of changes of address or to report errors on the mailing list to: **Pauline Denson**, treasurer.

If you wish to be kept notified of “breaking news” and impromptu events within the club, you need to be on the **AGMS email list**. Information on things such as field trip details and member rock sales may be disseminated this way in real time. You can also ask to get the newsletter delivered via email notification rather than through snail mail. It comes sooner and in color that way. To get invited to the list, and/or to receive the newsletter via email, please send a note to the editors at *StoneChipper@austingemandmineral.org*.

April 23, 2009 Meeting Minutes - Jo Ann Wiersema, Substitute Secretary

Program: A presentation by Dallas Dunlap from the Bureau of Economic Geology began at 7:35 p.m. His topic was Mass Transport and Deposition on Offshore Morocco, Safi Haute Mer Area.

Call to Order: Josie called the business meeting to order at 8:15 p.m. Diann Hill moved that we approve the minutes from the last meeting and Nancy Keller seconded the motion. All members agreed.

New Business: Josie said that no one had submitted any new business items to be discussed.

Old Business: Josie said that all current old business items had been settled at the last meeting.

Membership: Josie told the members that we need a new membership chair. She said that Diann Hill had new commitments and could not continue at that position. She also noted that the membership chair only had to keep up with new names on the membership list and transfer them to Pauline.

Josie asked all the members who had joined in the last two months to stand to be introduced to the club and to tell us a little about their interests as related to club activities.

Shows: The Waco club show is this coming weekend.

Problem with Theft: Josie announced that there have been issues with items being taken from the club house and on club outings. She expressed her disappointment that this could be happening and warned members to keep a closer look out on their belongings.

Door Prize: The winner of the door prize was Jim Wiersema who won a very nicely faceted stone that Wing thought was likely quartz.

Show and Tell: One of our club members, Paul, showed us some very nice fire agates he had polished. Dwight Littleton told us that his granddaughter, Hannah, who used to attend our meetings until her family moved out of the area, went with him on a very interesting trip to “Johnsons” rock shop near Indian Springs, TX.

Classes: Joyce Hrapsky announced that a class on how to use a slab saw was being planned.

Adjournment: Robert Morriss moved that we adjourn the meeting. Wing seconded the motion and the meeting was adjourned.



Paleo Club News

By Diann Strout

The **May 19th** meeting at 7 p.m. will have a very special speaker, the well known and highly regarded **Hugh Downs**, brother to J.W. Downs - a member of both the Paleo club and the AGMS. He will be speaking on evolution. Come early to get a parking spot!

Hugh Downs, longtime anchor of ABC Television's primetime news magazine 20/20, is one of the most familiar figures in the history of the medium. Downs has enjoyed a distinguished 66-year career in radio and television as a reporter, newscaster, interviewer, narrator, and host for which he has received 6 Emmy Awards.

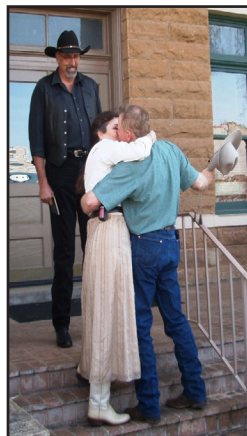
Downs hosted PBS's "Live from Lincoln Center" for a decade. He helped launch the "NBC Tonight Show" in 1957; he anchored "The Today Show" from 1962 to 1971, and has broadcast numerous specials and documentaries. In May of 1990 Mr. Downs was given the Broadcaster of the Year Award by the International Radio and Television Society for his many achievements in both media.

Mr. Downs has also authored twelve books: an autobiography and books based on his experiences, science, and aging. In addition, he has served on several boards, including the U.S. Committee for UNICEF, the National Space Society, and was an advisor to NASA. In his spare time Downs is a pilot, with a current medical, and several ratings from multi-engine to hot air balloon.

In 1998 Arizona State University upgraded its Communications Department into a school, now bearing the name THE HUGH DOWNS SCHOOL OF HUMAN COMMUNICATION. Downs is a frequent visitor and lecturer at the university.

Hugh Downs was born in 1921 in Akron, Ohio. He holds a Post Masters degree in gerontology from Hunter, and a certificate in Geriatric Medicine from Mt. Sinai Medical School. He and his wife Ruth live in Arizona.

Sunshine Committee



Diane Eames and Brad Hodges tied the knot on the steps of the Mason County courthouse on Texas Topaz Day, March 26th, 2009. Dalan Hargrave officiated. Dalan's phone rang during the ceremony, so we all said Hi to the caller. Then it was back across the street to Gems of the Hill Country and the celebration of Texas Topaz Day, already in progress. Thanks mucho, and thanks to the AGMS members in attendance. Regards, Diane Eames.

Congratulations!

Please send news about our membership, both good and bad, to Ron and Jennifer Guzman.

A Brief History of Metals and Industrial Minerals Mining in Texas - Part II

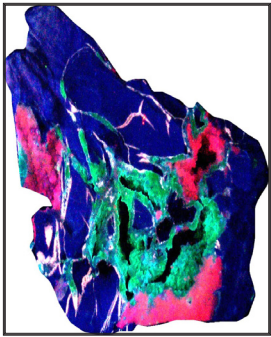
By Alan J. Cherepon

AGMS Club Member (Part I in April 2009 Newsletter)

A new type of mining for sulfur was developed in Louisiana called the Frasch method, where hot water is pumped into a well in salt domes to melt and recover sulfur. This method was extended to Texas salt domes in Brazoria County in 1912. Actual surface mining of sulfur was conducted in the early 1900's and 1940's at the Michigan Mine in Culberson County, and at Rustler Springs in 1968.

From at least 1912, reports of fluorspar (fluorite) are reported both in West Texas and the Texas Hill Country. Minor amounts are reported at Terlingua, and Study Butte, and larger amounts in the Chinati Mountains associated with copper-silver-lead-zinc deposits. The earliest account in the Hill Country is at Spring Creek in Burnet County, later in Baringer Hill and Mason County, most associated with or near pegmatites. Later deposits that were actually mined include the Spar Valley deposits in the Eagle Mountains in 1943, as well as a fluorspar mine in the Christmas Mountains.

Celestite has been quarried for use as a drilling mud additive in Brown and Nolan Counties in the 1930's and 1940's. Dolomite was mined for magnesium in Burnet County in the 1940's during the war, and was processed at the present day Pickle Center in Austin. Serpentine was described in the 1940's on the Willow City Loop not far from Enchanted Rock, and was quarried for decorative building stone. Considerable granite and some marble were also quarried in the Hill Country near Marble Falls and Llano. Some of the granite was used on the State Capitol and large blocks were used for the sea wall and jetties on the coast, notably at Galveston. Presently, granite is used for counter tops, and even the chips are used for walkways and drives. Back in West Texas, talc was mined near Allamore in Hudspeth County from 1952 until 1980.



Karnes County fluorescent specimen
under SW ultraviolet light,
Owned and photographed by Paul Bordovsky.

In 1956, mineable uranium was discovered at Tordilla Hill in Karnes County. Aerial gamma surveys were being flown in hopes anomalous readings would indicate oil and gas deposits. These were the first known uranium deposits in a coastal facies of barrier islands similar to present day Padre Island. Eventually the trend would stretch to near the Rio Grande and make Texas the number three uranium producing state in the U.S. The important aspect of the Karnes open pit mines to mineral collectors is the plethora of crystal-bearing concretions found in beds above the ore zones. Calcite, quartz, gypsum, barite, and lesser amounts of other minerals are found not only as crystals, but many also fluoresce, making it the best fluorescent mineral locality in Texas.

During the 70's, a new mining technique called in-situ leach mining was used to pump oxidizing waters to leach the uranium from the sands and then pump the uranium impregnated solution back to the surface to be precipitated out and dried into "Yellow Cake," a uranium concentrated powder that could more easily be processed.

There is at least one account of gypsum mining in 1965 in West Texas. Barite was also reportedly quarried for drilling mud additive in the 60's at the Seven Hart Gap area. There are numerous accounts of other metals and minerals being mined to lesser degrees in Texas, such as graphite in the Clear Creek area of Burnet County, and cassiterite mining in the Franklin Mountains near El Paso. There are reports of rare earth elements (beryllium) mined in the Sierra Blanca area in Hudspeth County, and commercial zeolite deposits in Presidio County. Asphalt was quarried in the area in and around Bexar and Uvalde Counties, feldspar from Granite Shoals Lake, salt from various salt domes, and manganese and barite in the Black Gap area as well as the Spillar Mine in Mason County.

Gypsum was mined from salt domes at Hockley Dome in Harris County and Gyp Hill in Brooks County. Additionally, lead, zinc, and silver mineralization are reportedly present in the salt domes along the Texas coast.

More recently, a molybdenum prospect in the Cave Peak area just north of Van Horn, in Culberson County may be mined in the near future. Several small rare-earth and radioactive materials recovery operations have been and are being produced from small quarries in pegmatites throughout the Hill Country. Some predict there are deeper deposits of both gemstones and rare-earth minerals, but economics will play a major role in whether any of these see the light of day in the foreseeable future. One major exploration company geologist said their team has discovered several million dollar gold and silver deposits in West Texas, but these were too small for their company to bother with. These may eventually be mined by one or two person operations at some point, but since the rock is very hard, even these may be doubtful. Perhaps one day, if Lake Buchanan is ever drained, mining could start up again at Baringer Hill, or one of those legendary lost Spanish gold or silver mines may be stumbled upon and start a new gold rush in Texas. While Texas may be known primarily for the mining of energy minerals such as lignite and uranium, and oil and gas, it still has an old and interesting history of mining lore and discoveries.

Bibliography

Barnes, V.E., S.S. Goldich, and F. Romberg. *Iron Ore in the Llano Region, Central Texas*. Austin, Texas, University of Texas Bureau of Economic Geology, Report of Investigation No. 16, 1949.

Caran, Chris, Mark Helper, and Richard Kyle. *Geology and Historical Mining, Llano Uplift Region, Central Texas, Guidebook 20*. Austin, Texas, Austin Geological Society, 2000.

Cherepon, Alan J., J.E. Brandt, and W. E. Galloway. *Geology of the Karnes Uranium District, Texas*. Austin, Texas, Austin Geological Society Guidebook 27, 2007.

Dobie, J. Frank. *Coronado's Children: Tales of Lost Mines and Buried Treasures of the Southwest*. Dunlap & Gossett, 1930.

Ellison Jr., S.P. *Sulfur in Texas*. Austin, Texas, University of Texas Bureau of Economic Geology, Handbook No. 3, 1971.

Evans, Glen L. *The Rustler Springs Sulphur Deposits as a Source of Fertilizer*. Austin, Texas, University of Texas Bureau of Economic Geology, Report of Investigation No. 1, 1946.

Flawn, Peter T. *The Hazel Copper-Silver Mine, Culberson County, Texas*. Austin, Texas, University of Texas Bureau of Economic Geology, Report of Investigation No. 16, 1952.

Flawn, Peter T. *Pegmatites of the Van Horn Mountains, Texas*. Austin, Texas, University of Texas Bureau of Economic Geology, Report of Investigation No. 16, 1951.

GetPicture.mobi, Texas-Mines.

<http://getpicture.mobi/?s=TX&r=a&f=mine>

Girard, R.M., *Texas Rocks and Minerals an Amateurs Guide*. Austin, Texas, University of Texas Bureau of Economic Geology, Guidebook No. 6, 1964.

The Handbook of Texas Online. "The Los Almagres Mine," also "Mineral Resources and Mining."

<http://www.tshaonline.org/search/index.html>

Hess, F.L., *Minerals of the Rare Earth Metals at Baringer Hill, Llano County, Texas*. USGS Bulletin No. 340, Contributions to Economic Geology, 1907 (printed in 1908).

Historic Map Works, Mines in Texas.

<http://www.historicmapworks.com/Browse/Pol/Texas/Mine/Page/1/>

King, Elbert A. *Texas Gemstones*. Austin, Texas, University of Texas Bureau of Economic Geology, Report of Investigation No. 42, 1961.

McAnulty Sr., W.N. *Fluorspar in Texas*. Austin, Texas, University of Texas Bureau of Economic Geology, Handbook No. 3, 1974.

Price, Jonathan, Christopher Henry, and Allan Standen. *Annotated Bibliography of Mineral Deposits in Trans-Pecos Texas*. Austin, Texas, University of Texas Bureau of Economic Geology Circular No. 73, 1983.

Savoy, Carlos. *Texas Tales of Lost Mines and Buried Treasures*. Republic of Texas Press, 2001.

Texas Railroad Commission, "Surface Mining & Reclamation, Abandoned Mine Land Reclamation Power Point presentation."
<http://www.rrc.state.tx.us/programs/mining/texasamlprojects.pdf>

Field Trips

By Chip Burnette
Field Trip Co-coordinator



There will be a joint field trip for the Tri-City Gem and Mineral Society (Temple, TX) and the Austin Gem and Mineral Society (Austin, TX) to Alpine, TX Memorial Day Weekend, **May 23-24, 2009**. Terri Smith will guide us to different locations each day - the Richie Ranch has been confirmed, and she is working on a new location for the other day. We plan on having a group lunch both days, similar to the Thanksgiving trips. I will coordinate what to bring a couple of weeks in advance. The trips each day will leave from the Antelope Lodge at 9:00 a.m., and be guided to the hunt location.

Rock Sale

The Ellises will have a rock sale at their home in Bastrop on the weekend of June 6 & 7 from 10 to 4 on Saturday and 1 to 4 on Sunday. Items for sale include: Petrified Wood 10 cents lb, Misc. Agates 25 cents to 50 cents lb, (Walker Ranch, Rio Grande, West Texas), Horn Coral (Brown County, Tx.), Quartz Crystals (Arkansas), Obsidian (large pieces-30 lbs or over-\$2.50 lb, Limestone with Crinoids (San Saba area), Small Geodes 25 cents lb, and an Acetylene Tank and Torch \$60.00 (only piece of equipment).

We have many other rocks collected over 30 years that need a new home. Maps and other information will be available at the May AGMS Meeting. Phone calls are welcome but we will not have the rocks in place until the 6th of June. Mac & Fran Ellis.

Needed - New Editor

David and Laura Dow have decided that it's time to relinquish the reins of the newsletter to someone else. We've had a great time working on the newsletter for the past several years! If you think this sounds like the job for you, then please contact us at StoneChipper@austingemandmineral.org. We will give up the position as soon as someone else steps forward to take up the job - or at the end of the year, whichever comes first. It would be better if someone could volunteer sooner so we could take some time to teach them all the ins and outs of the rules and expectations of the job, as well as how to work with the software. I'm sure there is a creative person out there who would love to re-invent the newsletter and add their own personal style to the club bulletin!



Gem Capers 2009 Show Committee Minutes

By Dee Fly
March 19, 2009

Treasurer: Bob Folsom advised that The 1st deposit has been paid for 2009 show.

Dealers: Diann sent out reminders. Fifteen dealers have not returned the contract yet.

Web Site: The dealer list on the show page will not be updated until we finalize the dealers.

Flyers: Lynn should have sent to Charlotte for printing. Need to get them so they can be sent to dealers.

Pins: A few more submissions were turned in.

Advertising: Lynn not present. Laura has flyers that she sends to magazines & other places.

Food Table: Froots' wants to hand out coupons and it is looking good for them to sponsor the Food Table.

Grand Prize: Grand Prize has been picked and there are several people that can take pictures.

Entry: No three day passes. Entry will be paid each day but hand will be stamped for going in and out on the same day. Need a uniform free pass with an example at the cash registers.

Teachers: Diann has set up a link on web site for teachers.

Gem Mine: Andrea not present.

Wheel of Fortune: Looking good on most items but will have a few things that need to be made.

Money Handling: Is Bob Greenway collecting and handling money again?

Show Bulletin: Diann said the first ad under the content page should be a random pick. All ads other than the premium pages should be assigned a number and then picked by lottery.

Federation Show: It was voted on at the general meeting to host the 10/20-25/2015 AMFS show. Two days of activities then our three day show. Will need to have a few people on a committee to put everything together.

SHOP TIPS



Lapidary Tip

When small insignificant pits are present in your nearly finished cab, and you go to the the final polish, these insignificant pits will collect the polishing compound and show up like a sore thumb. Of course we don't want our material to have pits in the first place, but unfortunately we are not in a perfect world. Prior to starting the final polish take a little super glue and coat the area of the small pits. After allowing the super glue to cure, a very light sanding will remove the excess super glue, which sands quite nicely. To complete the stone, go to your final polish. The pits, being filled with the clear super glue, will no longer trap the polishing compound. This tip came to me from Bill Meyers.

~Les Connally, via the Rock Prattle 2/09, Rock-n-Rose 2/09

The Best Way to Enjoy Rockhounding

The best way to enjoy rockhounding is to put on a wide brim straw hat, dress in thin, cool clothes, hold a rock hammer in one hand, a cool drink in the other and...tell your husband where to dig.

~From The Roadrunner 4/09

A college student needed a small two-hour course to fill out his schedule. The only one available was Wildlife Zoology. After one week, the professor gave the class a test. He passed out a sheet of paper divided into squares. In each square was a carefully drawn picture of some bird legs. No bodies, no feet, just legs. The test asked each student to identify the birds from their legs.

The student sat and stared at the test and got more and more angry. Finally he stomped up to the front of the classroom and threw the test on the desk. "This is the worst test I have ever taken." The teacher looked up and said, "Young man, you have flunked this test. What is your name?" The student pulled up his pant-legs and showed the professor his legs and replied, "You tell me!"

~author unknown, via The Stone Chipper 4/98, The Roadrunner 5/08

Biggs Jasper

One of the more recently discovered picture rock materials. The first piece was found about 1960 in a creek bottom south of Biggs Junction, Oregon. It is one of the more distinctive jaspers even though it lacks brilliant colors, its design is unique among siliceous rocks. It takes an excellent polish.

This jasper seems to have developed from the muds of short-lived streams that evolved on the surface of a cool basalt terrain. The raw materials (plastic colloids, silica, clay and iron) came from the weathering of igneous rocks and were deposited in the settling basins of stream channels. Heat and pressure from volcanic activity then served to form jasper, small creeping motions led to the marbled rosettes and picture designs.

~Condensed from Shawne Slate 12/08, via the Rock Licker; The Rock Rattler 1/94, Glacial Drifter 2&3/01, The Rockytier 4/09



AFMS News

Having Fun: Kid's Displays and the Lillian Turner Award

By Jim Brace-Thompson, Juniors Program Chair

The AFMS/NFMS Show and Convention is quickly approaching! To all clubs that have junior members and pebble pups, please encourage any kids who can make it to Billings to enter a display July 30-August 2. Recent years have seen very few kids' displays at our annual AFMS shows, and even fewer competitive kids' entries. Planning, preparing, and setting up a display and then attending a show and seeing all the other displays and meetings with those who prepared them and judged them is a great way to expand a child's horizons and to meet interesting people who are actively engaged in our hobby.

Info on exhibiting and entry forms for both competitive and noncompetitive displays may be accessed from the AFMS web site (www.amfed.org). Exhibitor applications are due before July 5.

Thanks to the donation of Lillian Turner of Bethesda, Maryland, an award will be given to the outstanding junior who exhibits at the show. It consists of a certificate, a \$100 bond, and a mineral specimen. It's presented at the Show Awards Ceremony. There is also the reward of a job well done in planning and assembling an excellent display.

Whether they enter a display or not, kids should find this year's show especially interesting with dinosaurs, moon rocks, a fossil cave bear, Montana Yogo sapphires, and more. So bring the kids to the show to participate and to learn while, as always, having fun!

~Excerpted from The A.F.M.S. Newsletter; 5/09

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Address Correction Requested

Austin Gem and Mineral Society

For membership information write: AGMS, 6719 Burnet Lane, Austin, TX 78757

2008 Officers

President: Josie Middleton
First V.P.: Jackie Fisher
Second V.P.: Kathleen Howard
Secretary: Linda Northcote
Treasurer: Pauline Denson

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Robert Morriss (1)
David Wenger (1)
Tom Bowers (2)
Joyce Hrapsky (2)
Louis Lee (2)

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Building Chair	Bob Greenway
Mineral Display Cases	Betsy Gager
Education/Classes	Joyce Hrapsky
Federation/Conservation	Paul Good
2 Field Trip	Ron Carman
Committee:	Chip Burnette
Historian	Ed Gage
Hospitality	AGMS Members
Junior Advisor/Programs	Vacant
Library Co-Chair	Vacant
Library Co-Chair	Andrea Miller
Membership	Diann Hill
Newsletter Editors	David & Laura Dow
Program	Kathleen Howard
Scholarship	Jeff "Stretch" Young
School Programs	Wing Evans
Sunshine	Ron Guzman
Workshop	Gef Fisher



May 2009

Editor Awards

2003-1st AFMS New Editors, 1st SCFMS

2004-4th AFMS

2005-2nd AFMS, 1st SCFMS

2006-6th AFMS, 2nd SCFMS

2007-6th AFMS, 1st SCFMS

2008-4th AFMS, 1st SCFMS

2008 AFMS Editor Hall of Fame