

# **Cobb County Gem & Mineral Society (CCGMS)**

## **Vice-President's Program Manual**

This manual is intended for the PROGRAM CHAIR. When you leave this office, please give it to the NEW PROGRAM CHAIR.

2016

Cobb County Gem & Mineral Society (CCGMS)

### **INTRODUCTION**

This is a manual for program planners and a directory of speakers and demonstrators who are willing to come to our meeting place and share their expertise in person. Their topics can cover all areas of the earth sciences and related arts - geology, astronomy, biology, fossils, minerals, field trips, gemology, lapidary, jewelry design, "how to" demonstrations, etc.

The manual gives a job description for the Program Chairman and provides useful information and suggestions for making the job easier and more enjoyable, whether a speaker is invited or not. The ideas and information have been collected from many previous Program Chairpersons.

Keep your copy of this manual in a looseleaf binder.

### **PROGRAM CHAIR'S RESPONSIBILITIES**

According to the CCGMS By-Laws, the Vice President shall be the Chair of the Program Committee. The Program Committee shall have charge of general and specific programs of the society. It shall prepare special events for each monthly program of the society and shall determine if possible, assignment at least thirty (30) days in advance and notify the Newsletter Editor. The committee shall keep a chronological record of the guest speakers of all past and planned program events to be passed on to the succeeding Program Chair. The program usually follows a regular monthly business meeting. After adjournment of the business meeting the President invites the Program Chair to present the program, including introduction of the speaker if there is one. The President should be previously informed of the contents of the program and

the time necessary for presentation. (If time will be unavoidably limited, the speaker should be notified in advance.)

A majority of programs each year should come under the category of "educational" and should be related to the focus of the society.

With the help of a committee formed of the society's officers and other interested members the Chair should plan a schedule of programs for the year or at least for several months in advance. The other members of the committee should be expected to accept responsibility for specific programs.

For each program a short article should be sent a month in advance to the Newsletter Editor. Include a short introduction of the speaker, title of the program, a few lines about the subject to be presented and an interesting photo. Send a copy of the article, with the time and place of the meeting to the WebMaster.

Keep this manual and directory up to date. A looseleaf binder is recommended.

THIS MANUAL BELONGS TO YOUR SOCIETY. Use it and make it grow. It is filled with the secrets of successful programs from many other Program Chairs who were willing to share them. Add to it your own records of programs presented under your tenure. Your successor will thank you.

## **RESPONSIBILITIES AND COURTESIES TO SPEAKERS AND DEMONSTRATORS**

There are many usual courtesies to keep in mind in obtaining and receiving the services of a speaker or demonstrator. Fulfilling your responsibilities to your guest speaker will make a fine lasting impression of you and your society.

If it is possible, arrange your programs for the year. Do not wait to invite the speaker until a week or ten days before your meeting. Many speakers are very popular, and they need to be contacted early.

If your initial contact is by conversation, write to confirm the date within a day or two following your conversation. Be sure you and your speaker understand the terms of the engagement. Speakers sometimes have a variety of programs, so be sure you and the speaker both know which program you want. Talk about the level of technology or expertise of the expected audience so the speaker can tailor the presentation to match their interests and understanding. Be sure you have the speaker's name spelled correctly and get the exact title of the program.

When arranging for the program, make sure of the date, time, and length of the presentation. If a speaker does not accept an honorarium, then it is a nice gesture to give a gift. (If your speaker is a police officer, sheriff's deputy, fireman, or member of the armed forces, they are not permitted to accept gratuities.) Give clear directions to the meeting place and arrange to send a map if directions are complicated.

Write an article for the newsletter and the web site describing the program. Make it sound enthusiastic! Have your editor send a copy of the newsletter to the speaker. Write or phone the speaker several days before the meeting as a reminder and to confirm the date and time of the program.

Before the meeting, arrange for a close parking place for the speaker to bring in equipment or materials. The Program Chairman should arrive early enough to set up any other equipment the speaker has requested. Offer help in setting up and be sure all the necessary equipment is working.

Introduce your guest to the society's President and Host or Hostess. Stay with or near the speaker during the evening, or arrange for another member to do so. Introduce the Program. After the program, escort your guest to the car and remain until the guest is ready to leave. The equipment and specimens used are often valuable. Don't leave your guest alone to face the potential hazards of a dark parking lot late at night.

After the meeting write a follow up article for the newsletter or get another member to take notes and write it. Send a copy, along with a note of thanks, to the speaker. Send it early enough for any misquotation to be corrected. To sum it all up in the words of one speaker: "IT'S NICE TO BE APPRECIATED!"

## LETTER OF CONFIRMATION TO SPEAKER

The format of a sample letter that could be used to confirm your speaker's program date and needs is printed below. It is only a guide, and you might want to use it to create your own "form" letter, which you can further tailor to fit individual circumstances. If possible send it to your speaker on the letterhead paper of the society. It is always wise to keep a copy of each letter you send for your own files. This letter should be mailed in time to reach the speaker a week before the program date.

### SUGGESTED LETTER FORMAT

(Speaker's name and address)
Dear _____
You are scheduled to present a program on, _____ (Subject)_____ at the meeting
of the _____ (Name of your Society) _____ on ____ (Date and Time) _____. The
meeting will be held at _____ (Address of meeting place)_____
Our audience averages____ (Number)___ people.
You have indicated that you will need the following :_ (Blackboard, chalk, screen, projector, table(s): other)_
If you have any questions about the information above, my telephone number is
( ) ____ - _____ We are looking forward to your presentation .
If, for any reason, you are unable to attend the meeting, please let me know as soon as
possible if you can get some one to fill in for you, so I can get the necessary information from
your replacement. If no one is able to come, please call me at the number above so I can arrange
another program .
Sincerely,

## Manage the "45 Minute" Presentation Checklist

- Make sure you have the audio-visual equipment needed by the speaker.
- Arrive early to set the system up by 7:00 pm for a 7:30 meeting.
- You need to have a laptop computer that you are familiar with.
- Many speakers will use PowerPoint... you should know this program fairly well.
- Be able to connect a laptop to the projection system (know where the projector is located)
- Be able to wire "speaker" to sound system
- You will need to be able to load a presentation from a flash (jump) drive and advance the slides as requested by the speaker.

You should get information about speaker's background, credentials and interest, so that you can give a nice "introduction". Encourage the group to welcome the speaker by initiating hand clapping.

You may have to politely "encourage" the speaker to stop if he/she is running beyond 50 minutes.

You should lead the applause at the end, and open the floor to questions, manage the questions, and if they last more than 5-10 minutes, encourage members with additional questions to seek out the speaker one-on-one.

End the presentation session by awarding the speaker a "\$25 Gift Certificate" as a Token of our Appreciate for his/her being a part of our monthly meeting.

You need to make sure all "presentation equipment" is securely put back in cabinets, drawers, etc. by the end of the meeting.

## WHERE TO LOOK FOR PROGRAMS

There is a wealth of talent available from educational institutions, governmental agencies, the business world, the American Federation, our own membership, and others.

Acquiring Speakers. You will need a minimum of 9, perhaps 10. Try to get speakers that you know will be both educational and entertaining. Look for about half of the speakers to be club members with known skills. Some who you can always count on include... Kim Cochran, Jim Haege, Bob Shively, Dion Stewart. These people have many talks, and you can often ask on short notice. Have a back-up in case a last minute cancellation occurs – usually that is "you".

Ask "Club Members" for recommendations. You should expect to spend "hours" on the phone chasing down leads and lining up people. It is best to have a mix of topics, including "Trips & Localities", "Minerals & Rocks", "Crafts". November is optional... a short (max. 30 min.) fun program is nice. Try to line up the January speaker for the next V.P. when you leave office to get her/him up and running.

Pick up “gift cards” in advance, and turn receipts into the Treasurer for reimbursement.

### **EDUCATIONAL INSTITUTIONS**

Contact the Speakers' Bureau or the Department Head of a local college or university. They can recommend programs and are often anxious for staff people to cooperate with the community - good public relations. From the colleges you should be able to secure geologists, anthropologists, vulcanologists, seismologists, and other earth science specialists: Don't forget faculty from specialized schools such as the Gemological Institute of America. Local honor students who have received scholarships from your society or club or from the American Federation are often glad to talk to you about their projects.

Elementary and high school teachers may also be very knowledgeable on subjects related to minerals and gems, including jewelry making, and they are usually experts at presenting them in an entertaining and understandable fashion. They may also be interested in promoting cooperative projects between our society and their students, which could lead to further programs.

### **GOVERNMENT AGENCIES**

A number of government agencies - Federal, state, county, and local - have professional people on their staffs who are prepared to present programs. Many have directories of speakers and also videos available to you. Some examples of these are the US Bureau of Land Management, the US Forest Service, the US Geological Survey, the Georgia Department of Natural Resources, the Georgia Division of Mines, and the Georgia Historic Preservation Office. Also consider your County Parks Department and your community's public water agency. Agencies such as these often have representatives available.

Speakers such as these can inform you about the history of mines and miners in Georgia, geology and ecology of areas in which you are interested, wilderness safety, and current or pending laws affecting mineral and gem collecting, with possible future scenarios. To respond effectively to such laws your members need to be well informed.

### **LOCAL BUSINESSES AND INDUSTRIES**

Check with the Chamber of Commerce or Better Business Bureau for names of companies that might like to provide speakers. A talk by an official from an industry that processes or uses minerals in manufacturing might be followed by a field trip through the plant which could be a real bonus. Local jewelers who may own a store, or do jewelry appraising, repairing, or custom designing are often interesting speakers. Don't overlook business people dealing in maps, metal detectors, and gold panning equipment. A local TV station may lend you documentary videos.

**MUSEUMS, HISTORICAL SOCIETIES, AND PUBLIC SERVICE ORGANIZATIONS** Investigate the museums in the immediate area. Some are private; others are publicly owned. See what is available in the way of minerals, lapidary, mining, history, geology, or paleontology exhibits. Curators may sometimes be called upon to talk about special exhibits, their special field of study, or how materials are collected, cataloged, stored, and prepared for exhibiting.

Historical societies are of special benefit because of the importance of gold, silver, and other mineral resources in the history of Georgia.

A disaster relief organization such as the American Red Cross may provide a speaker on earthquake causes and readiness, or on first aid preparedness for a field trip. Community groups, such as Lions Club and

Rotary International, who are always looking for interesting speakers for their own meetings may suggest some who would be suitable for a program for your society.

### **NEWSPAPERS**

Look for notices about speakers at other community groups who might be of interest to your members also. Clip and file these notices as potential future sources of programs.

### **GEM AND MINERAL SHOWS**

Demonstrators at gem and mineral shows can be an excellent program source. Sometimes members of the host society are making their debut as demonstrators, and this is an excellent opportunity to secure them for programs. You can preview their presentation by watching how they relate to the public, how they explain what they are doing, and how interesting the subject is to the audience.

Lecturers on special topics at a show might bring their already prepared talk to your society.

### **YOUR FEDERATION**

The CFMS Slide and Video Library is managed by its own Librarian. It has its own separate catalog, listing all the slide and video programs available from the Federation, with directions for ordering them. This catalog should be kept in your looseleaf binder with the current edition of your Program Manual and Directory of Speakers: Podium People and constantly updated when new listings are announced by the Librarian through the Newsletter or in handouts given to your Federation Director. The cost of ordering these interesting programs is very reasonable, and you will be pleased with their quality. Many have come to our Library as winners of the AFMS Program Contest. Your savings from using a slide program one month might allow you the luxury of a guest speaker the next.

Many of the Federation Officers and Chairmen are skilled artisans; many are skilled speakers. Their names, addresses, telephone numbers, and their jobs are published in the Federation's newsletter. These knowledgeable people can give your society information or help on planning goals, increasing membership, showmanship, installation of officers, or some particular area of their expertise. Look for one near you. Members of the Public Lands and Advisory Committee (PLAC) are prepared to give lectures on collecting areas, wilderness proposals, the progress of bills in Congress, and what action your members can take.

The position of Program Aids Chairman was especially created for your assistance at any time in planning programs. Just ask. Part of the job is to send monthly information to the CFMS Newsletter to keep you tip to date with news about speakers and other program ideas.

### **YOUR SOCIETY'S OWN MEMBERS**

The next pages contain some excellent suggestions for successful programs which have originated within the membership.

### **MINI PROGRAM**

Use a short PowerPoint presentation such as "Recent News in the Mineral World". A note of caution - don't upstage an invited guest speaker by stealing the major program's subject for your opener. If your major program is "canned," it might be enhanced by a "live" opener on the same subject.

**Gem or Mineral of the Month:** The featured gem or mineral would be announced in advance in the newsletter. One member, not necessarily an expert, could be asked, a month in advance, to do research on the particular mineral and to present a five-minute report. All members who wished could bring in their favorite specimens and samples of jewelry made from the announced gem or mineral and tell briefly about it, in addition to or instead of the one member's report. This might spark enthusiasm for a field trip to an area of the gem's occurrence. Birthstones of each month might be used as Minerals of the Month for a year.

Another variation is to choose, in advance, a different color each month. All members are asked to bring a yellow specimen, for example, and tell what it is, where it was found and how it is used. This takes one or two minutes for each of maybe five or six participants. It is interesting to note that rarely are there duplicates, because each one tries to bring something unusual and rare.

**Member Displays at Meetings:** A designated person may prepare a monthly display table with ten mineral or rough gem material specimens. Members who want to participate, pick up a numbered sheet and write down what they think the names of the specimens are. The numbered sheets are handed in when the meeting begins. During the meeting the specimens are identified. A prize is given to each person having 100% identification or to those with the highest scores.

Another plan is to arrange for a display by a different member at each monthly meeting; or for a number of members to bring exhibits. Plan ahead if cases must be set up at the club house. Displays could be judged and awarded points by popular vote, the winners to get a prize. Monthly member displays could be followed by an annual competition for Display of the Year.

## **EMERGENCY PROGRAMS**

The speaker for the evening cannot come, and you have 24 hours or less (2 minutes?) to arrange for a substitute program. No need to panic!

- Keep a slide show or video on hand, owned by you or the society, ready at a moment's notice. Be sure the projector or VCR will also be on hand.
- Keep an emergency list of members who can be depended upon for a last-minute program.
- Have several game packets ready (rock bingo, mineral and gem trivia, etc.,) If you have none, divide the audience into competing teams and ask each team make up their own gem trivia questions for their competitors to answer.

## **SEARCHING YOUR MEMBERSHIP FOR TALENT**

Hidden or latent talent can be found among the members of our own society. Begin your search by asking questions of your members. Discover their interests. You may have several interesting programs among the

members. The only way to find out-ask questions. Here are some programs you might find among your members and some ideas for do-it-yourself programs.

1. **SLIDE SHOWS AND VIDEOS PRODUCED BY MEMBERS :**

- a. **Field Trips:** Slides and video tapes made by members on field trips are a favorite when "personalized" by showing members at work. Members' trips on their own to places related to the stated interests of the society are also popular. Specimens brought back from these trips contribute much to such programs.
  - b. **Develop your own slide or video program, or help another member do so:** Get your member photographers and craftsmen together to create programs. People who do outstanding craft work sometimes can't face an audience to tell about it. Take some scenes of their work and of them at work; get them to tell you about it, and write it down in script form. If your "star" is uneasy with a larger audience, get someone else to read the script as the slides are shown. Your artist might feel at ease answering questions directed to him/her at the end of the program.
2. **VIDEOS OWNED BY MEMBERS:** Members have probably bought videos for themselves at gem shows, museums, and park visitor centers on appropriate subjects for your programs.
3. **JEWELRY AND LAPIDARY DEMONSTRATIONS:** Do some of our members demonstrate their skills at shows? If you invite them to give a program at a meeting, will all the people present be able to see the demonstration clearly and easily? Do you have a way to magnify the work area? Consider whether cleaning up afterward will be a problem.
- a. **Tumbling:** Many new members want to tumble rocks, but do not know what grits to use, when stones are ready for the next grit, etc. Someone might be willing to share his/her expertise about the process. Several months' notice should be given so that he/she can have examples from various stages to show.
  - b. **Cabbing and Faceting:** Some faceting machines and cabochon grinding and polishing machines are somewhat portable and could be used to demonstrate at a meeting. Again, specimens showing the various stages should be prepared ahead of time.
  - c. **Flat Lapping:** People love to polish geodes, bookends, etc. This could be a panel discussion or a solo presentation. If a panel, some organizing will be needed.
  - d. **Wire wrap:** Requires less heavy equipment than some other types of jewelry making.
  - e. **Silversmithing:** Members might bring work in different stages of progress instead of bringing the large amount of equipment necessary for thorough demonstrations.
  - f. **Carving and Chipping:** These may create considerable debris, but the relatively large pieces used are easier to see from a distance than small pieces of jewelry.
  - g. **Bead Making:** One or more member could show bead making processes, and others could bring examples of other types of beads, mineral and fabricated, and tell their history.
4. **SAFETY AND FIRST AID:** Be certain your member is qualified if giving First Aid instruction. Discuss hazards and preventive measures to keep in mind in a lapidary shop, on a field trip, or in the home. You could have several programs on such a broad subject.
5. **EQUIPMENT:** An instructor or knowledgeable member of the society could give a lecture on the care of field trip, lapidary, faceting, etc. equipment; advantages of different features or brands; and problems encountered.

6. **MINERAL COLLECTIONS:** Does one of our members specialize in mineral collecting? Has he or she entered cases in competition? Have him or her bring some specimens that can be handled and passed around. Instructions might show how to trim minerals, how to clean them, how to mount them, how to transport them. How to identify and wrap minerals collected in the field is a talk in itself. Another separate talk can cover how to organize a collection.
7. **GOLD PANNING:** Does our society have any avid gold panners? If possible, have a talk immediately prior to a gold panning field trip.
8. **METAL DETECTING:** Do any of our members own metal detectors? Ask them to demonstrate how they work, describe the range in detectors' capabilities, and show some of their loot.
9. **MEMBER DISPLAYS:** Arrange for a number of members to bring exhibits to the same meeting. Plan ahead for cases to be set up at the clubhouse. Displays could be judged and awarded points by popular vote, the winners to get a prize. Hold discussions on what features make a display especially appealing, and what features win points under the official Uniform Rules.
10. **FOSSILS:** Nearly all of our members probably have a few fossils in their collection. Ask them to bring them and talk about where they were found. If one of the members is knowledgeable on the subject, he/she may be a source of several interesting programs.
11. **MAP READING:** Many motorists have never bothered to really become acquainted with maps and the wealth of information contained in them. Have a member discuss topographical and geological maps and how to interpret them. Use maps of an area where you plan a field trip.
12. **LEAVERITE:** What to do with "Leaverite"? One club member who is a professional flower arranger showed how to put together excellent dish gardens. He has given the talk to many mineral societies and garden clubs. A society with no flower arranger in their membership did have two garden club members who brought dish garden supplies to the society meeting. The items were sold to the members at cost. During the evening everyone worked on dish gardens-either singly, in pairs, or groups. It was a fascinating evening. The members brought their own "Leaverite".
13. **PHOTOGRAPHY:** Is one of our members a camera bug? Have him or her talk about how to photograph mineral specimens or jewelry. This can be a demonstrating program, plus a participating program. Show how to make titles for a slide program, etc.
14. **MY OTHER HOBBY:** Four or five members who have interesting hobbies other than rockhounding can be invited to show samples and discuss their "other Hobby". This has been used by a number of societies, and everyone has reported a very interesting evening.
15. **"WHERE IN THE WORLD HAVE YOU BEEN?"** A natural for the September meeting. Ask four or five members to bring in 10 slides each or other tangible souvenirs of their summer activities. Through your bulletin ask for volunteers to bring in similar items for "show and tell". Use your five "sure" ones to break the ice. Can be lots of fun.
16. **TAILGATING:** Do you have members who sell minerals and gems as outdoor "tailgate" vendors? A panel made up of tailgate vendors might be the best way to show the different methods of selling, setting up booths, etc. Have them talk about their experiences and show some of the things they have acquired through tailgating, swapping, etc.
17. **MEMBERS' EMPLOYMENT OR BUSINESSES:** Perhaps we have some sources of speakers no one has thought of previously. For example, one club found a member who worked in a dental laboratory. He fashioned gold and silver inlays and caps. We may even have members who are professional geologists or jewelers.

18. **MY FAVORITE ROCK:** This subject always has appeal and may provide our members with a lot of laughs as well as appreciation for fellow members' collections. Just ask members to bring their favorite rock and tell something about it - why it's a favorite.

## **TIPS FOR SUCCESS IN PROGRAM PLANNING**

- Arrive at the meeting ahead of time to be sure everything is in order. Make certain the equipment requested by the speaker is in place. If temperature control is possible, make sure the room is cool in the summer and warm in winter.
- Outstanding programs may be repeated after a couple of years. Remember that new members are joining from time to time, and one of their prime reasons is to learn. The program may be a repeat for the older members, but quite informative to the newer members.
- Keep in mind that programs should in general serve the purpose of educating the membership. Make only sparing use of travelogs of members' trips if not related to the main focus of our society. If in doubt, ask for a preview or discuss the program in detail with the member. Has the member had time to edit the slides, eliminating the poor shots? Has the member written a script? A script with copies of the slides could make a good program available for future re-showing. Among other advantages a script eliminates the phrase, "This is. . ." You may want to hold a special meeting, for all members interested in giving a slide or video program during the year, at which you or an expert on photography or communications would discuss how best to produce such programs.
- Cooperate with other societies in your area. Ideas and speakers can be swapped. Ask our Editor to share exchange bulletins with you. Many good ideas for programs can be gleaned from the exchange bulletins.
- When writing up a program for our newsletter, take a positive attitude. Don't write, "Those who did not attend sure missed a good program." Instead, be positive and say, "Those who attended the meeting were treated to an exceptionally fine and memorable program." Those who missed it will get the point.
- Remember to keep a record of the program, the speaker, and the audience reaction to the program. Keep a complete file for yourself and your successor of all program information.

## **KEEPING RECORDS OF PROGRAMS**

At the beginning of your chairmanship, obtain a three-ring binder in which to file this Manual and Directory Clip newspaper items, magazine articles, and ideas that might develop into good programs, and paste them into your binder. In other words, build your own Manual as your society's special edition.

Prepare a binder section, card file, or computer database to record each program used, showing the speaker's name, address, and telephone number and the date on which the program was presented. Note the members' reaction. Any further information, equipment required, length of talk, etc. should be listed. These records will increase in value to our society as each succeeding Program Chairman adds his/her program

information. Even if you do not use a program, but know of a good one, list it in your record file. The purpose of this file is to create a useful tool in planning future programs.

## **Potential CCGMS Program Speakers**

1. Jim Ingersoll, CCGMS club member, jayeye1@gmail.com, video on Australian opals, mining locations, cutting and polishing.
2. Dion Stewart, Professor, Georgia Perimeter College (GPC) – Dunwoody Campus, H: 678-417-1786, O: 678-240-6035, Dion.Stewart@gpc.edu
3. Dr. Pamela J. W. Gore, Professor, Department of Geology, GPC – Clarkston Campus, 678-891-3750, Pamela.Gore@gpc.edu

Pamela J. W. Gore, professor of geology at Georgia Perimeter College, part of the university system of Georgia, has taught geology in Georgia for nearly thirty years. She served as president of the Georgia Geological Society and has been secretary-treasurer of the Southeastern Section of the National Association of Geoscience Teachers for more than ten years. She received her PhD in Geology from George Washington University in Washington DC.

- a. Stone Mountain
4. Wayne Dodd, 770-497-9790, wmdodd1@bellsouth.net
  - a. Meteorites
  - b. Geodes
5. Sarah Christensen, Curator of the Tellus Science Museum, sarahtimm26@gmail.com
  - a. Events at Tellus
6. Jeff Sorensen
  - a. Caving
7. Lawrence Parker, 404-213-9727, lamountainman@tds.net
  - a. Putting together a display for our annual show (CCGMS presentation Nov 2012/2013)
8. Chris Munson, 770-428-9344, c.munson41@gmail.com
  - a. Photographing gem/mineral specimens

9. Jim Haege, 770-698-9376, jim@planetaryparts.com
10. Hart Phinney, 770-565-7576, maphkp@att.net
  - a. Equipment in the lapidary shop and its use
11. Wes Manley, 770-577-3300, jwm1mil@bellsouth.net
  - a. Cabbing
12. Dr. James O. Hamblen, Professor of computer engineering, Georgia Technical University
  - a. Fluorescent Minerals (Sep 2011 presentation at CCGMS)
13. George Libby
14. Kim Cochran
15. Dr. John Anderson, Invertebrate Paleontologist, Georgia Perimeter College
  - a. Where to collect fossils in Georgia (Aug 2012 presentation to CCGMS)
16. David Braswell
  - a. Collecting dinosaur fossils (CCGMS presentation Jan 2013)
17. Dr. Laura Whitlock, Assistant Professor of Physics, Georgia Perimeter College (CCGMS presentation Oct 2014)
18. Jose Santamaria, Director of the Tellus Science Museum