

**A 27-YEAR HISTORY OF  
THE CARTOGRAPHIC SALON  
OF THE  
NATIONAL SPELEOLOGICAL SOCIETY  
(1978 to 2004)**

*George Dasher  
July 2004*



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# THE NSS CARTOGRAPHIC SALON

The Cartographic Salon is one of approximately twelve Board of Governors propagated and managed salons. These contests, which are held each year during the National Speleological Society's annual convention, also include the Print, Slide, Graphics, Tee Shirt, and Video Salons. Entries are usually made before the Convention, and awards are presented to the winners at each Convention during the Thursday-night Slide Salon ceremony. The Cartographic Salon was begun in 1978 at the New Braunfels, Texas, Convention. It is one of the oldest of the NSS salons, and its entries are judged not before, but during the Convention.

While all of the NSS Salons are artistic in nature, it is understood that the Cartographic Salon is alone in that it is a technical salon with specific criteria regarding cartographic presentation. Nevertheless, it is also understood that the artistic rendering of a cave map can greatly enhance its aesthetic characteristics and the ability of the user to understand and interpret the map.

To summarize, the Cartographic Salon has four purposes. These are:

- to foster an interest in cave cartography as a technical skill and as an art form,
- to allow an exchange of techniques, ideas, and styles among the Society's surveyors and cartographers,
- to recognize cartographic excellence, and
- to create an interest Convention display that depicts recent or active exploration and mapping projects worldwide.

\* \* \* \* \*

## GENERAL INFORMATION

The Cartographic Salon is an exhibition of cave and karst-related maps. The Salon Chairperson varies from year to year; however, the overall Salon Coordinator is a permanent position. At present this person is George Dasher.

Copies of the maps should be entered, not originals. There is no restriction on method of presentation and innovative techniques are encouraged. Judging occurs at convention. Each entrant should include a self-portrait (preferably as a digital image, but a slide is acceptable) that will be shown at the Thursday-night awards ceremony. Maps may be displayed in the salon, but not judged at the entrant's option.

There is no entry fee for the Cartographic Salon. Entries will be considered to have been donated to the NSS unless picked up by the entrant by noon of the Friday of Convention, or unless the entrant specifies otherwise. If the entrant wishes their entry returned by mail, they should provide a \$5 postage cost. If the entrant wants a third person to pick up their entry, they should specify this in writing when their map or maps are submitted.

No cave map will be reproduced by the NSS without the cartographer's permission except for display during the convention. This is because there are landowner and project organization problems unique to each cave and the resulting cave map. Plus some projects are sensitive or secret. Thus, if the NSS chooses to reproduce a Salon-entered cave map, they must contact the cartographer for that permission. The NSS in this case is represented by the *NSS News* editor. To date, Dave Bunnell is the only editor who has printed a Cartographic Salon winner, and Dave has had no problems with contacting the individual cartographer.

\* \* \* \* \*

NSS CARTOGRAPHIC SALON SYNOPSIS							
Year	Location	Chairperson	# of Entrants	Winners			Medal Winner
				Honorary Mentions	Merit Awards	Medals	
1978	New Braunfels, Texas	J. Knox	?	9	9	1	Natural Bridge Caverns, TX <i>Orion Knox</i>
1979	Pittsfield, Massachusetts	A. Palmer	?	0	5	1	Williams Cave, VA <i>Ward Fuller</i>
1980	White Bear Lake, Minnesota	E. Kastning	21	2	3	1	Hoya de Quital, Mexico <i>Peter Sprouse</i>
1981	Bowling Green, Kentucky	E. Kastning	66	13	8	2	Grotte de Reclere, Switzerland <i>Remy Wenger</i>
							Natural Bridge Caverns, TX <i>Orion Knox</i>
1982	Bend, Oregon	E. Kastning	18	8	2	0	—
1983	Elkins, West Virginia	E. Kastning	29	5	3	1	Nikki Ananda, New Guinea <i>Carol Vesely</i>
1984	Sheridan, Wyoming	E. Kastning	33	6	6	1	Nambawan Ananda, New Guinea <i>Carol Vesely</i>
1985	Frankfort, Kentucky	E. Kastning	40	12	11	1	Corinth Church Cave, KY <i>John Ganter</i>
1986	Tularosa, New Mexico	E. Kastning	29	6	6	1	Sotano de San Marcos, Mexico <i>Peter Sprouse</i>
1987	Sault Saint Marie, Michigan	W. Nelson	26	4	3	1	Buckeye Creek Cave, WV <i>George Dasher</i>
1988	Hot Springs, South Dakota	G. Dasher W. Nelson	38	5	1	1	Dunco Spring Cave, Jamaica <i>Mike Futrell</i>
1989	Sewanee, Tennessee	G. Dasher	57	12	3	1	Cave Spring Cave, VA <i>Tom Spina</i>
1990	Yreka, California	G. Dasher	47	7	4	1	Sunflower Pit, AL <i>Pat Kambesis</i>
1991	Cobleskill, New York	G. Dasher	36	11	5	1	Bananal, Costa Rica <i>Hope Uhl</i>

1992	Salem, Indiana	G. Dasher	38	13	3	2	El Rectángulo, Costa Rica <i>Hope and Jeff Uhl</i>
							Kentucky Avenue, Mammoth Cave, KY <i>Mick Sutton</i>
1993	Pendleton, Oregon	E. Kastning	45	7	5	1	Sinks of Gandy, WV <i>George Dasher</i>
1994	Brackettville, Texas	G. Dasher	58	11	7	1	Wu Dong, Guizhou Province, China <i>Pat Kambesis</i>
1995	Blacksburg, Virginia	G. Dasher	41	6	5	1	Paxton Cave, VA <i>Tom Spina</i>
1996	Salida, Colorado	G. Dasher	35	9	4	1	Millerston Cave System, CA <i>Bob Richards</i>
1997	Sullivan, Missouri	G. Dasher	34	11	2	2	Cave Creek Caverns, CO <i>Hazel Barton</i>
							Kazumura Cave Atlas, HI <i>Kevin and Carlene Allred and Bob Richards</i>
1998	Sewanee, Tennessee	D. Coons	?	16	8	1	Crystal Cave-Sequoia and Kings Canyon Series, CA <i>Joel Despain and Greg Stock</i>
1999	Filer, Idaho	H. Barton	32	6	4	1	Arabica Cave, AL <i>Carlene Allred and Dave Love</i>
2000	Elkins, West Virginia	R. Horrocks	29	7	4	1	Canadian River Section, Simmons-Mingo-My Cave, WV <i>John Ganter</i>
2001	Mount Vernon, Kentucky	S. Reames	32	7	6	1	Wonderland Kazumura Cave, HI <i>Carlene Allred and Dave Love</i>
2002	Camden, Maine	S. Reames	20	3	3	1	Caves of the Snake Well Complex, TN <i>Brent Aulenbach</i>
2003	Porterville, California	R. Horrocks	54	4	9	2	Fairy Cave, CO <i>Hazel Barton</i>
							Lilburn Cave Atlas, CA <i>Peter Bosted</i>
2004	Marquette, Michigan	G. Dasher	25	9	4	0	—

# THE NSS CARTOGRAPHY SALON ORGANIZATION AND JUDGING CRITERIA

*by the SACS Cartographic Salon Committee<sup>1</sup>*

The following is an explanation of how the NSS' Cartographic Salon works, and the criteria by which the maps are judged. The intent is to provide uniform standards by which the maps can be fairly judged, and to aid cartographers in developing better cave maps.

The Cartographic Salon is held each year at the National Speleological Society's annual Convention. Prior to the Convention a Salon announcement is placed in the *NSS News*. Maps can then be mailed to the Salon Chairperson or can be hand-carried to the Convention. In addition, maps can also be posted at the Salon solely for display. These maps must be indicated as such.

Prior to (or at the start of) the Convention, the Salon Chairperson will select several people from different parts of the country to judge the submitted maps. These judges—and the Salon Chairperson may be one of the them—will be experienced cave map cartographers and will not have maps entered in the Salon that year.

The judges has the discretion to divide the maps into categories determined by the past experience of the cartographers or by the length of the caves. The classes may be modified or deleted entirely at the judges' discretion, and are based on the number of submitted maps and their individual formats.

Usually, the judges divide the maps into a Novice Category (for those cartographers who have never won an award), an Experienced Category (for those people who have never won a medal), and an Expert Category (for those persons who have previously won a medal). These categories are then each judged by a different group of judges (thus cutting down on the individual judge's work load), and the final map judged by the entire group of judges.

If warranted by enough or unusual entries, the judges may create special classes such as First-Time Cartographer, Color Usage, Computer Cartography, Complex Representations, Topo Overlays, etc.

The judges first look for certain mandatory features, without which a map will not be considered for an award. Second, the judges will look at various quality factors and assign appropriate point values to each factor. The individual judges will provide the reason for their point selection in the "Comments" portion of the judging form.

Following the first round of judging, where the judges each work individually, the point totals will be tallied for all the maps by combining the three judges' scores. All maps scoring more than a prescribed number of points will receive at least an Honorable Mention (Green Ribbon). From the Honorable Mentions picked, the judges will confer and select the maps which will receive a Merit Award (Blue Ribbon).

Finally, the judges will confer and select (from among the Merit Awards) the Salon's overall Medal Winner. This winner will be selected independent of the point totals. In addition, and if the judges so desire, more than one Medal Award may be given. On occasion, no Medal Awards are given.

After the awards are posted and the awards presented on the evening of the Slide Salon, a Cartographic Salon workshop and discussion will be held at 9:30 AM on the Friday on Convention. The purpose of this workshop is not to glorify the so-called best map, but to provide a forum for discussion and learning from which all cave cartographers may benefit.

All critique forms will be returned to those cartographers present at the workshop. Those critique forms not picked up will be mailed to the individual cartographers by the Salon Chairperson. All maps not

picked up at Convention are donated to the NSS Library. Maps can be picked up by a third party provided the cartographer has informed the Salon Chairperson *in writing* that this is the cartographer's wishes. Maps will be returned by mail, provided the cartographer has given or mailed the Salon Chairperson the required postage before the end of the Convention.

No Cartographic Salon entrant can be reproduced in any way without the cartographer's express and written permission.

#### **MANDATORY REQUIREMENTS:**

**Cave Name:** *All* cave maps *must* have a name. This name should neither be too bold or too hard to locate. Abbreviations should *not* be used in the cave name.

**Obvious Entrance or Connection with the Rest of the Cave:** *All* cave maps *must* have an entrance or a connection with the rest of the cave. If this entrance or connection is not obvious on the map, then it should be marked and made obvious. If the map is of a section of the cave, then the connection of that section with the rest of the cave should be made obvious or marked. If the map is a quadrangle that connects to other quadrangles, then the places where a cave passage "runs off" the edge of the quadrangle are considered as the obvious connection and do not have to be further marked.

**North Arrow:** *All* cave maps *must* have a north arrow. This arrow should point to true north and, if the cartographer wishes, may include a subordinate magnetic north arrow. A magnetic north arrow by itself is not to desired; however, if it is shown—either with or without a true north arrow—a date *must* be displayed with the magnetic north arrow. The north arrow must be long enough to be useable, and it is should not be so ornate that it is useless. The most optimal north arrow includes a true north arrow, a magnetic north arrow, and the date of the magnetic north.

**Bar Scale:** *All* cave maps *must* have a bar scale, and this bar scale *must* include the linear units. The cave map may include two bar scales, one for meters and one for feet. Ratio scales, such as 1:600, or written scales, such as 1" = 50', are not desired because, if the map is reduced or expanded, then this scale will be inaccurate.

**Vertical Control:** *All* maps *must* have some kind of vertical control. Usually, in North America, this is shown as either a profile or as vertical symbols. Both methods can be utilized together. If a profile is used, it should include a vertical bar scale and it should be labeled as to type (e.g., Projected Profile, Expanded Profile, or Idealized Profile). If vertical symbols are used, the map should be prominently noted as to whether the units are in meters or feet. These vertical symbols should include (as needed) cave elevations, pit depths, ceiling heights, and water depths. In addition, a zero datum should be labeled near the cave's dominate entrance. Instead of the two more-popular methods of displaying elevation, the cave map can utilize contours, either drawn inside or outside the cave passage, or it can use a large quantity of cross-sections, all of which are properly orientated vertically.

**Date:** *All* maps *must* include a date. Features change, both inside and outside of the cave. This date should not be the date of the magnetic north and it should not be a cartographic date. Rather it should be the date of when the cave was surveyed.

**Cartographer or Survey Group:** *All* cave maps *must* include the cartographer or the survey group's name. Thus, if someone is interested in the cave—be that person a geologist, biologist, rescue expert, or another exploratory group—they can contact the cartographer or the original survey group. Simply put, the cave map is a scientific document, and it should have a author and a date.

#### **QUALITY FACTORS:**

**Balance and Layout:** Does the cave map appear well balanced to the eye? Are some areas of the map

blank while other areas are crowded? Did the cartographer make good use of his or her space?

**Drafting Technical Quality:** How technically correct is the drafting? Are the line widths consistent? Do the lines end and blend well, without blobs of ink? Are the symbols drawn well? Are the symbols correct? Are the outside walls of the cave obvious? Is there a True North Arrow? Is the magnetic north arrow out-of-date relative to when the cave was surveyed?

**Detail Thoroughness:** Is there too little detail? Is there too much detail? Does it extend into every passage? Is it consistent throughout the entire map? Is the detail easy to understand or is it confusing? Are the more mundane floor features shown? Is ceiling detail shown? Are conjectural ceilings or walls shown? Does the detail match the legend or the list of symbols utilized? Would a caver be able to use the map to navigate through the cave?

**Vertical Control:** How well is the vertical delineated? Has the cartographer adequately dimensioned ceiling heights, pit depths, cave elevations, and water depths. Are there too few symbols to fully comprehend the vertical nature of the cave? *Horizontal caves are no exceptions!* Is the Profile View large enough and well centered enough to be understood? Is a vertical scale included with the Profile View? Does the Profile View include the entire cave? How well does the Profile View match the Plan View? All cave maps that use vertical symbols and all maps of caves with more than one entrance should contain a zero datum. This datum should be a precise, labeled point and should be included on any profile views. Leader Lines to each vertical symbol's exact location in the passage may or may not be utilized.

**Lettering:** Is the lettering even and consistent? Is it too small or too big? Is it all evenly spaced, both horizontally and vertically? Is the lettering easy to read? Are there unneeded (or too many) abbreviations?

**Visual Impact:** Does the cartography make the map the cave seem interesting or boring? Overall, does the map look good?

#### **ADDITIONAL FACTORS:**

Still other items can be used to enhance the cave map. The use, or lack of use, or poor usage of these items should be considered when the judges assign point values in the various categories. These items include, but are not limited to Site Details, such as geology and surface features; Complex Representations, such as multi-level caves or cave passages; and Imaginative Innovations, which enhance the understanding up the cave.

**Cultural Location:** This should be included on the *vast majority of all* cave maps. A few maps, however, because of the sensitive location of the cave, do not include the cultural location. Abbreviations should *not* be used in the cultural location.

**Precise Geographic Location:** This is a hot potato. Some cartographers include this, others do not. It should be remembered, however, that the sole difference between sport and science is good documentation. If the cartographer has not allowed for the map user to somehow locate the cave in the field, then the cave has not been documented in a way that will allow the map user to fully utilize the map. What this means is that some sort of location should be provided.

It is possible, rather than place a Precise Geographic Location on the map, to place a State Speleological Survey pointer (*e.g.*, a county cave number) on the map. This informs the map user that a State Speleological Survey exists and that this Survey will provide the user with the cave's location, provided the user can authenticate, to the Survey's leaders satisfaction, that the user shares their speleological values.

If a Precise Geographic Location is placed on that cave map, and if latitudes and longitudes are used, then *which* latitude and longitude should be stated on the cave map (*e.g.*, are they north, south,

west, or east?) If UTM coordinates are used, then the UTM zone should be stated on the cave map. If state plane coordinates are used, then which state plane coordinate system should be stated. Elevations are always above some datum, such as mean sea level, and these should be noted on the cave map. The datum name (e.g., the 1927 North American or 1983 North American) can also be included with the geographic location information. Abbreviations are not recommended in labeling the geographic location.

**Cross-Sections:** These are *extremely* important and can often be used to easily determine the relationships of the various cave passages to each other. *When at all possible*, cross-sections should be included on the cave map. Detail inside the cross-sections should be shown and this detail should match the detail on the Plan and Profile Views. Cross-sections should only be omitted in the most complex, crowded maze caves, and only then after much soul-searching. Maps without cross-sections usually do not score well in the Cartographic Salons.

Cross-sections can either be drawn next to the cave passage or away from the passage and then flagged with letters or numbers. Cross-sections lines should be arrowed to show the direction of view, they should show the horizontal and vertical relationships of adjacent passages. They should be consistent and should not be confused with passage lines or detail. They should not be squeezed in too close to the cave passage, nor should they be placed too far from that passage.

**Type of Survey:** This is very important. While most North American cave surveyors choose not to use survey grades, the map should be noted as to its type (e.g., Topofil, Brunton and pace, or Suunto and fiberglass tape). In addition, loop closure accuracy may be included.

**Legend:** As many cave map users are not cavers, it is often a *very* good idea to include a legend with the cave map. All non-standard cave symbols should be explained by or formatted into a legend.

**Symbols Credit:** If there is no legend, then it is good idea to note what set of cave symbols were used.

**Length and Depth of the Cave:** Most cave maps include the length and depth of the cave. Linear units *must* be included. The length of caves can be measured by one of two methods, surveyed or horizontal length. If no method of measure is noted on the map, then it is assumed that the length is the surveyed length, which is the preferred method. The depth of the cave is the difference between the elevations of the highest and lowest station or point in the cave. These may or may not be at an entrance.

**Passage endings:** Passages should be shown as they end. Those passages that became too small for human passage, or are too high, or otherwise beyond the abilities or time of the surveyors, should be shown as continuing. Passages that ended in the cave should be shown by the cartographer as endings, with no passage continuing. The words "Too Tight" or "Too Small" may or may not be used at the passage endings.

**Personnel:** It is always a nice touch to say who helped map the cave.

**Credit:** Credit may be given to the project leaders, the people who reduced the data, and the cartographers. A thank you can also be given to the landowner or the appropriate government agency.

**Survey Stations:** Survey stations should *not* be shown on the final map, unless the map will be used for future geological, biological, or paleontological work.

**Location Code Numbers:** State or Province Speleological Survey Code Numbers can be displayed on the map. These may be placed in the title block, or they may be displayed in an unobtrusive manner elsewhere on the map. The code number should not be designated in such a way that the map user must have an "inside" knowledge of the Survey to understand the code. If no cultural or geographic location is given on the map, then the State or Province Speleological Survey Code Number *must* be displayed in a prominent and obvious location on the cave map, as this code is now the only method by which the map user can locate the cave in the field.

**Text Notes:** Unobtrusive notes on the geology, biology, history, or whatever can be included on the map if the cartographer so wishes.

**Drawings or photographs:** Unobtrusive artistic drawings or photographs of the cave entrance or some feature in or around the cave can be included on the map if the cartographer so wishes. These can enhance the map a great deal; however, these drawings and photographs should remain subordinate to the map and should not dominate or obstruct the map features.

**Copyrights:** Copyrights are common on many cave maps. These should include a date.

**Borders:** All maps should include a border. Some maps include double borders. Maps have won awards in the Cartographic Salon in the past without borders; however, this is the rare exception, not the rule.

<sup>1</sup>The SACS Cartographic Salon Committee was comprised of George Dasher, Bob Gulden, Tom Kaye, Doug Roberson, George Veni, and Carol Vesely.



## THE SALON REQUIREMENTS AT CONVENTION

- 1) Typically, the Cartographic Salon (Cart Salon) requires a wall about 150 feet in length and about eight or so feet in height. This area should be well-lighted and air-conditioned, and it should be relatively close to the other Salons, or at least in a high visibility area. There should also be some easy method of fastening the maps to the walls; *i.e.*, push pins, thumbtacks, staples, etc. This fastening method should be specified before the Convention begins, so that the Salon Chairperson can bring the appropriate fasteners.
- 2) Although a rare Salon has begun on a Sunday evening, the Cart Salon usually begins early on Monday morning when the majority of the entrants bring their maps to the Cart Salon area. The Convention Staff, if they accept any maps from the entrants, *should make very sure* they give these maps to the Salon Chairperson. This should be done on Monday morning. It is better if the Convention Staff does not accept any maps. They should instead direct that entrant to the Salon Chairperson.
- 3) It is very helpful if an IBM computer (with some popular word processor and a printer) could be made available to the Salon Chairperson during convention. This allows the Chairperson to type in the cave names and check them for correctness, thus having an accurate copy of the entries.
- 4) Cart Salon judging usually takes place on Monday afternoon, all day Tuesday, and occasionally on Wednesday. The judges sometimes stay late into the night and thus the Cart Salon area should be open to the judges and the Salon Chairperson late on those evenings. On occasion, the judges have stayed up all night, judging the maps.
- 5) On Friday, the day after the Slide Salon and Convention awards ceremony, a Cart Salon critique should be scheduled for 9:30 AM-ish in the Cart Salon room. This critique should be listed in the Convention Guidebook.
- 6) If possible, the Cart Salon critique should not be scheduled opposite the Survey and Cartography Session, or on the same day as the Survey and Cartography Section (SACS) Meeting. The key players of the Cart Salon are usually the people who run the SACS meeting and coordinate the SACS Sessions.
- 7) The NSS Book Store closes on Friday morning and has usually packed everything away by Friday at noon. It is thus *very* important that the Cart Salon end on Friday at noon, so that the donated maps can be delivered to the bookstore before they have left their sales' area. If the maps are not delivered in time, then some other method (or person) must be found to transport the maps to Huntsville. This can be very difficult.

## THE CART SALON CHAIRPERSON'S RESPONSIBILITIES

*george dasher*

- 1) Communicate with the overall Salon Chairperson, who is the person in charge of all the BOG-sponsored Salons. This Chairperson, who is usually Paul Stevens, should take care of the information that goes into the *NSS News* before the Convention, so you will not have to worry with this. You should make sure he knows that you are the Cart Salon Chairperson, that he has your correct address, and that his deadline (for mailed maps to be in your hands) is agreeable to you.
- 2) Communicate with the Convention staff ahead of time. Tell them that a display area about 150 feet in length and at least eight feet high is required. This area should be well lighted, in an area of the Convention that people can find, and have electricity and air conditioning. Hallways typically work better than rooms. Also, because of the long length of the judging, it may be required that the Cart Salon area be open 24 hours a day on Tuesday or Wednesday. It also works really great if you have a X Someone of the Convention staff to interface with. Make sure you know how the maps will be hung—tape, push pins, etc.
- 3) It should be stated in the Convention Guidebook that the Cart Salon starts on Monday morning. It should *definitely* be stated that the Cart Salon Critique is at 9:30 AM on Friday. It is also nice to say that the Salon ends at noon on Friday.
- 4) Find the required number of judges. This can be done before the Convention begins; however, it is often done at the Convention. Optimally, three judges are required for each category. These judges should be from different parts of the country and from different caving organizations. Inform the judges in writing before the Convention that they are the judges.
- 5) Receive maps in the mail before Convention. Make a list of who has entered what maps. If the entrants want other people to pick up their maps at Convention, this should be stated clearly in writing.
- 6) Copy about 250 of the Judging Forms. Also make sure you have enough ribbons for the Convention. The Cart Salon ribbons are not identical to the other NSS Salon ribbons—they say "Cartographic Salon."
- 7) Be in the Cart Salon area all day on Monday at Convention. Receive the maps as they come in, and hang them or make sure they are hung on the walls. Get other people to help with this. Continue the list of who has entered what maps.
- 8) Tell the Convention Staff not to collect any Cart Salon maps at Registration, as these maps can be stuck in an out-of-the-way corner until the end of Convention. Check Registration late on Monday and/or early on Tuesday and make sure no maps have been delivered to Registration.
- 9) The Convention should make a computer available. This computer should not be the daily-rag computer or the registration computer, as these computers have other priorities and you will get kicked off. Having a computer available is a big help at Convention. It is likely that no more than two or three hours of computer time is required. Bring your own disks.
- 10) Type into the computer all the entrees and entrants to make sure the spellings are correct. This is particularly important for the foreign entrees. Some maps will be for display only—they should also be detailed in the Cart Salon list, but noted as "Display Only."
- 11) Proof-read your computer-generated entree list against the maps hanging in the display area. Better yet, get someone else to proof read your list against the maps on the wall.

- 12) Make sure that the NSS Book Store knows you will be donating a big bunch of maps to the NSS. Make sure they know that this donation will take place on Friday at about noon, when they are tired and **very** ready to go home.
- 13) Somewhere at each Convention is a cubby hole where the Slide Salon Team is putting together the Thursday-night Salon Presentation. You are a part of that team—make sure you know where that hideaway is.
- 14) Make sure the judges get their backsides judging. The judges should judge the maps at least once individually. They should then participate in the final judging as a group. Usually the judges separate the maps into individual categories, and they use the point system only to determine which maps will receive awards—they then verbally argue which maps win what ribbons and the Medal. Remind the judges that they have the absolute final say as to the number and type of categories.
- 15) Make sure the judges are writing down their opinions regarding the individual maps on their critique sheets. Nothing is worse than telling an entrant he or she has lost during the Friday Salon Critique and not having a good reason why.
- 16) Make sure the maps are still hanging on the wall each morning. If not, tape or tack them back up.
- 17) Oversee the judges' group judging and make sure they don't do something really dumb. Remind them, if necessary, that the Cart Salon has on occasion given no medals (1982) and two medals (1981, etc.). It is also not necessary to give a set number of ribbons. Remind the judges that some items are style points and should not be judged. These include (at the least) the use of leader lines, question marks at passages' terminuses, the use of text blocks, and including exact geographic coordinates on the maps.
- 18) Once the judging is completed, go back through the maps as a group and make sure all the deserving maps have been given ribbons. Doing this can save you a lot of grief in the Salon Critique, as a deserving map with no ribbon is a *very* serious embarrassment. It *always* better to give too many ribbons than too few, especially considering the amount of work that goes into drawing even a small map.
- 19) The judging *must* be finished by Wednesday evening.
- 20) Hang the awards—get the judges to help. I always choose to post the Medal Award in the Salon area and thus did not surprise the entrant during the Salon Presentation on Thursday night.
- 21) Give the person making the Thursday-night PowerPoint display a list of who won what. This is often Roswell Jones, who will be in the Slide Presentation Team hideaway hole. This list should be in the order you will be presenting the winners. It should also include a list of the judges with their caving organizations. Make at least four copies of this list.
- 22) If someone is taking pictures of the award-winning maps, then make sure this person is aware of when the judging is finished and who won the Medal. This person is often Bob Thrun or Russ Kennedy. Coordinate with this person and make sure the Roswell Jones person has received the slides.
- 23) Make yourself available to Roswell Jones sometime on Thursday during the day, and proof read the title slides he has made for you.
- 24) Learn to pronounce all the cave names, entrants, and judges information correctly.
- 25) Present the winners at the Salon night. Try to talk quickly to keep the evening moving; try to talk

slowly to give the Cart Salon winners their proper recognition. Pronounce all words correctly. The audience will give you no choice on your speed of talking—and they *will* applaud between winners, especially home-town winners. Remember to thank the judges. Conclude your talk with the statement, "Come to the Cart Salon Critique on Friday Morning. It will be at X Time in the Cart Salon area."

- 26) Attend the Cart Salon critique on Friday morning and make sure that goes well.
- 27) Take down the maps. Allow those entrants who want their maps to take them home, destroy those maps that the entrants want destroyed (it happens!), and roll up the remainder of the maps for donation to the NSS Book Store. Use the map rolls in which the maps arrived. Make sure **ALL** the critique sheets and ribbons go home with the entrants who are present— this saves you work on the long run.
- 28) Donate the rolled maps to the NSS Book Store. You *must* do this before 1 PM, as the Book Store has packed up and gone home by then.
- 29) Go home, get a good night's sleep, and then type up the exact records of what maps were entered and what maps won.
- 30) Mail all the critiques and ribbons to those entrants who did not attend the Convention—and to those entrants who did not pick up their critiques at the Convention.
- 31) Mail a thank you letter to each of the judges.
- 32) Type up a short report for the *NSS News*, *The Compass and Tape*, and myself (as I am the overall Salon Coordinator). This report should include a short synopsis of what happened at the Salon, and it should include only the winners of the Salon. Mail this report to both magazines. Mail me a complete list of who entered what in the Salon, and mail me a copy of the winners. I don't need the synopsis.
- 33) I will have a Medal Award made and I will mail this award to the winner. I will make sure the Medal winner received the Medal, and I will let you know he or she has received it.
- 34) Write up a short report and figure up your expenses. Mail both to Paul Stevens. A check should come from the NSS within about a month of your submittal.

# THE 1978 CARTOGRAPHIC SALON

## New Braunfels, Texas

*Jan Knox*

JUDGES: Margaret McKinney, Austin, Texas  
 Dr. Arthur Palmer, Oneonta, New York  
 Dick Smith, Houston, Texas

ENTRANTS: There were 37 maps entered in the 1978 Salon. These maps were from 16 states and Canada. None of the cave locations were recorded.

AWARDS: 18 ribbons and 1 Plaque.

MAPS: (This is a partial list)

Special Award, youngest cave cartographer: Fydlyn Cave (10 years old) Oliver Holler

**Category I:** Maps less than or Equal to 11 by 17 inches:

First Place: Broken Toe Cave Mark Johnson

**Category II:** Maps greater than 11 by 17 inches:

Subcategory A: A total surveyed passage greater than 4500 meters:

First Place: Bone Norman Cave Bill Douty

Subcategory B: 2000 to 4500 meters:

First Place: Natural Bridge Cave Orion Knox  
 Honorable Mention: Sand Cave Tom Byrd  
 McKittrick Hill Cave Ronnie Fieseler  
 Endless Cave Carl Kunath

Subcategory C: 500 to 2000 meters:

First Place: Rambie's Cave Ronnie Fieseler  
 Honorable Mention: Midnight Cave Carl Kunath

Subcategory D: Less than 500 meters:

First Place: Double-Decker Cave Ernst Kastning

Subcategory E: Vertical Caves:

First Place: Sotanito de Ahuacatlan Terry Raines (drafting)  
 Orion Knox (artwork)  
 Honorable Mention: El Sotano del Arroyo John Fish

**Category II:**

First Place (tie): Double-Decker Cave Ernst Kastning  
 Natural Bridge Caverns Orion Knox

**Category III:** Experimental Maps

First Place: Lewis and Clark Caverns Richard Aram  
 Honorable Mention: Behind Blue Lake, Mystery Cave Paul Scobie  
 Sloans Valley, Grand Central Station, Spaghetti Section Louis Simpson

**Most Artistic Award:** Natural Bridge Caverns Orion Knox

**Best of Salon:**

Natural Bridge Caverns

Orion Knox

Subcategory and Category First Place winners received prizes from Bob and Bob, Emily Davis Mobley, and Speleoshoppe.

**THE 1979 (2nd Annual) CARTOGRAPHIC SALON**  
Pittsfield, Massachusetts

*Arthur N. Palmer*

JUDGES: Ernst Kastning  
Peter Quick

ENTRANTS: A complete list of the maps entered is not available.

AWARDS: 6 ribbons and 1 Plaque

MAPS: (This is a partial list)

**Less than 500 meters:**

Ribbon: Quartz Room, Snedegars Cave, WV Roy Jameson

**500 to 1000 meters:**

Ribbon: Wolf Sinks and Cave, Kentucky Tom Ahlers

**1 to 5 kilometers:**

Ribbon: Tom Eddings Cave, Arkansas Pam Black

**Over 5 kilometers:**

Ribbon: Williams' Cave, Virginia Ward Foeller

**Best Portrayal of a Cave in Relation to its Surroundings:**

Ribbon: Parker Cave, Kentucky Jim Quinlan, Don Coons, and John Branstetter

**Best Rendition of Complex Detail:**

Ribbon: Sorcerer's Cave, Texas George Veni

**Overall:**

Plaque: Williams' Cave, Virginia Ward Foeller

**THE 1980 (3rd Annual) CARTOGRAPHIC SALON**  
Saint Paul, Minnesota

*Ernst Kastning*

JUDGES: Unknown

ENTRANTS: 21 maps were entered by 16 cartographers in the 1980 Salon. These maps were from ten different states. Unfortunately, a complete list of all the maps is no longer available.

AWARDS: 2 green - Honorable Mentions  
3 blue - Merit Awards  
1 Medal - Overall

MAPS: (This is a partial list)

**0 to 1 km:**

Merit Award: Onyx Cave, Pennsylvania Carol Vesely

**0 to 1 km:**

Honorable Mention: Robinson Ladder Cave, Indiana David Black

**1 to 5 km:**

Merit Award: Hoya de Quital, Mexico Peter Sprouse

**1 to 5 km:**

Honorable Mention: Sotano de Saúz, Mexico Peter Sprouse

**Over 5 km:**

Merit Award: Rios San Jeronimo and Chontalcoatlan,  
Mexico Don Coons

**Overall:**

Medal: Hoya de Quital, Mexico Peter Sprouse

**THE 1981 (4th Annual) CARTOGRAPHIC SALON**  
**Eighth International Congress of Speleology**  
**Bowling Green, Kentucky**

*Ernst Kastning*

JUDGES: Claude Chabert (France)  
 Roy Jameson (USA)  
 Thomas Kind (USA)

ENTRANTS: 66 maps were entered in the International Salon in 1982; however, a complete list of all the maps is no longer available. There were 30 cartographers representing six countries: Australia, Great Britain, Switzerland, United States, Venezuela, and West Germany.

AWARDS: 13 green - Honorable Mentions  
 8 blue - Merit Awards  
 2 Medal - Overall

MAPS: (This is a partial list)

**0 to 0.5 km:**

Honorable Mention:	Cave of the Winding Stair, California Gouffre des Narines de Boeufs, Switzerland Creux au Koby, Switzerland	Bob Richards, USA  Philippe Rouiller, Switzerland Philippe Rouiller, Switzerland
Merit Award:	Grotte de Reclere, Switzerland Natural Tunnel, Virginia	Remy Wenger, Switzerland Bill Douty, USA

**0.5 to 1 km:**

Honorable Mention:	Organ Cave (Commercial Section), West Virginia Spider Cave, Australia  Schneekegelhohle, Austria  Halilock, Switzerland	Bill Balfour, USA Sidney University Speleological Society, Australia Christian Deubner, West Germany Philippe Rouiller, Switzerland
Merit Award:	Hoya de Quital, Mexico	Peter Sprouse, USA

**1 to 3 km:**

Honorable Mention:	Lost Cave, West Virginia Robber Baron Cave, Texas	Bill Balfour, USA Orion Knox, USA
Merit Award:	Grottos de Cremines, Switzerland Sotano de Saúz, Mexico	Remy Wenger, Switzerland Peter Sprouse, USA

**3 to 10 km:**

Honorable Mention:	Bransfords Cave, West Virginia Laurel Creek Cave, West Virginia Foxhole #1, West Virginia	Bill Douty, USA George Dasher, USA George Dasher, USA
Merit Award:	Natural Bridge Caverns, Texas	Orion Knox, USA

**Over 10 km:**

Honorable Mention:	Roppel Cave (Toohey Ridge Cave System), Kentucky	Central Kentucky Karst Coalition, USA
Merit Award:	Lee Cave, Kentucky	Cave Research Foundation, USA
	Bone Norman Cave System, West Virginia	Bill Douty, USA
<b>Overall:</b>		
Medal:	Grotte de Reclere, Switzerland Natural Bridge Caverns, Texas	Remy Wenger, Switzerland Orion Knox, USA

# THE 1982 (5th Annual) CARTOGRAPHIC SALON

Bend, Oregon

*Ernst Kastning*

JUDGES: Larry Chitwood  
Lynne Sims  
Steve Knutson

ENTRANTS: 18 maps were entered by 8 cartographers in the 1983 Salon; however, a complete list of all the maps is no longer available.

AWARDS: 8 green - Honorable Mentions  
2 blue - Merit Awards  
0 Medal - Overall

MAPS: (This is a partial list)

**0 to 0.5 km:**

Honorable Mention:	Hinkle Mountain Pit, West Virginia	George Dasher
	Thompson's Chapel Cave, West Virginia	George Dasher
	Little Wildcat Cave, Indiana	David Black

Merit Award:	Clark Mountain Cave, California	Bob Richards
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**0.5 to 1 km:**

Honorable Mention:	Crystal 67 Cave, California	Bob Richards
	Brickyard Ridge Cave, West Virginia	Bill Koerschner
	Alabaster Cave, New Mexico	Melissa Boyd
	Patton Cave, West Virginia	George Dasher
	Lost World Caverns, West Virginia	Bill Balfour

Merit Award:	La Jolla Sea Caves, California	Carol Vesely
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**Overall:**

Medal:	None
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# THE 1983 (6th Annual) CARTOGRAPHIC SALON

Elkins, West Virginia

*Ernst Kastning*

JUDGES: Bob Gulden  
Roy Jameson  
Bill Storage

ENTRANTS: 29 maps were entered by 15 cartographers in the 1983 Salon; however, a complete list of all the maps is no longer available.

AWARDS: 5 green - Honorable Mentions  
3 blue - Merit Awards  
1 Medal - Overall

MAPS: (This is a partial list)

**0 to 0.5 km:**

Honorable Mention:	Pink Dragon Cave, California	Bruce Rogers
Merit Award:	Nikki Ananda, New Guinea Painted Cave, California	Carol Vesely Bob Richards/Carol Vesley

**1.0 to 3.0 km:**

Honorable Mention:	Cave City-California Caverns, California Lost World Caverns, West Virginia	Peter Bosted Bill Balfour
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**Over 3 km:**

Honorable Mention:	Organ Cave System, West Virginia	Paul Stevens
Merit Award:	Sharps Cave, West Virginia	George Dasher

**Overall:**

Medal:	Nikki Ananda, New Guinea	Carol Vesely
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# THE 1984 (7th Annual) CARTOGRAPHIC SALON

Sheridan, Wyoming

*Ernst Kastning*

JUDGES: Lang Brod  
Doc Dougherty  
Terry Raines

ENTRANTS: 33 maps were entered by 17 cartographers in the 1984 Salon; however, a complete list of all the maps is no longer available. The maps were from 9 states, Puerto Rico, Mexico, New Guinea, and Thailand.

AWARDS: 6 green - Honorable Mentions  
6 blue - Merit Awards  
1 Medal - Overall

MAPS: (This is a partial list)

**0 to 0.5 km:**

Honorable Mention:	Meander Cave, California Lechuguilla Cave, New Mexico	Peter Bosted David Jagnow
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Merit Award:	Sea Caves of Sunset Cliffs, California	Carol Vesely
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**0.5 to 1.0 km:**

Honorable Mention:	Pickards Synch Lava Tube, Washington Surprise River Cave, New Guinea	Randy Boyd Carol Vesely
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Merit Award:	Sistema Punta Banda, Mexico Crockett's Cave, New Mexico	Bob Richards David Jagnow
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**1.0 to 3.0 km:**

Merit Award:	Mystery Cave, New York Nambawan Ananda, New Guinea	Bruce Jelen Carol Vesely
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**Over 3.0 km:**

Honorable Mention:	Columbine Crawl, Wyoming Wind Cave, South Dakota	Joan Benedict John Scheltens
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**Best Map Showing the Cave in Relation to its Surroundings:**

	Sistema de Cavernas del Rio Camuy	Thalia D. Veve
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**Overall:**

Medal:	Nambawan Ananda, New Guinea	Carol Vesely
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# THE 1985 (8th Annual) CARTOGRAPHIC SALON

Frankfort, Kentucky

*Ernst Kastning*

JUDGES: Doon Coons  
Doug Medville  
Peter Sprouse

ENTRANTS: 40 maps were entered by 18 cartographers in the 1985 Salon; however, a complete list of all the maps is no longer available. The maps were from 13 U.S. states, Mexico, Jamaica, and Palau.

AWARDS: 12 green - Honorable Mentions  
11 blue - Merit Awards  
1 Medal - Overall

MAPS: (This is a partial list)

**0 to 0.5 km:**

Honorable Mention:	Pellet Mount Cave, Oklahoma Spout Cave, West Virginia Cueva de el Canon, Mexico Blimp Hanger Cave, California Roaring Spring, Virginia Point Buchon Area Sea Cave, California Santuario Adentro, Mexico	Sue Bozeman George Dasher John Ganter Bob Richards Ron Simmons Carol Vesely Carol Vesely
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Merit Award:	Pink Panther Cave, New Mexico Chandelier Cave, Palau Shell Beach Sea Caves, California	Bruce Rogers Bruce Rogers Carol Vesely
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**0.5 to 1.0 km:**

Merit Award:	Crystal Drano/Roto-Rooter Caves, California Chick Cave, Kentucky Millerton Lake Caves, California	Randy Boyd John Ganter Bob Richards
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**1.0 to 3.0 km:**

Honorable Mention:	Bat Cave System, North Carolina Sump Cave, Indiana Skaggs Cave, Missouri  Windy Run Cave, West Virginia	Laurie Adams David Black Scott House/Mick Sutton Ron Simmons
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Merit Award:	Alabaster Caverns, Oklahoma Corinth Church Cave, Kentucky Dickerson Cave, Kentucky	Sue Bozeman John Ganter John Ganter
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**Over 3.0 km:**

Honorable Mention:	Indian Cave, Tennessee	Jeff Bowers/R. Hamm
Merit Award:	Cameron Cave, Missouri Great Spirit Cave, Missouri	Scott House Scott House, Jerry Wagner, Doug Baker

**Overall:**

Medal:	Corinth Church Cave, Kentucky	John Ganter
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# THE 1986 (9th Annual) CARTOGRAPHIC SALON

Tularosa, New Mexico

*Ernst Kastning*

JUDGES: William Ellicott  
Dale Pate  
Carol Vesley

ENTRANTS: 29 maps were entered by 19 cartographers in the 1986 Salon; however, a complete list of all the maps is no longer available. The maps were from U.S. 12 states, Mexico, and Belize.

AWARDS: 8 green - Honorable Mentions  
6 blue - Merit Awards  
1 Medal - Overall

MAPS: (This is a partial list)

**0 to 0.5 km:**

Honorable Mention:	Chrome Cave, California	Marianne Russo
Merit Award:	Queen of the Guadalupe Amargosa River Cave #1, California Silver Shadow Cave, California	David Jagnow Bob Richards Bob Richards

**0.5 to 3 km:**

Honorable Mention:	Vanished River Cave, California Cricket Cave, West Virginia Mercer Caverns, California Fisher Cave, Missouri	Peter Bosted George Dasher Bruce Rogers Gregory "Tex" Yokum
Merit Award:	Sotano de San Marcos	Peter Sprouse

**Over 3 km:**

Merit Award:	Sotano de Tlamaya, Mexico	John Ganter
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**Non-Traditional:**

Honorable Mention:	Sylamore Cave Resource Inventory, Arkansas Fossil Mountain Ice/Wind Cave System, Wyoming	Bob Buecher Miles Hecker
Merit Award:	Caves of Florida Caverns State Park, Florida	Gary Maddox

**Overall:**

Medal:	Sotano de San Marcos, Mexico	Peter Sprouse
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# THE 1987 (10th Annual) CARTOGRAPHIC SALON

## Sault Sainte Marie, Michigan

*Bill Nelson*

JUDGES:        Bob Amundson, Roanoke, Virginia  
                  Ernst Kastning, Radford, Virginia

ENTRANTS: There were a total of 26 maps entered this year. These maps were from: Belize, Jamaica, Mexico, Arizona, California, Indiana, Kentucky, Missouri, New Mexico, Pennsylvania, South Dakota, and West Virginia.

AWARDS:        4 green - Honorable Mentions  
                  4 blue - Merit Awards  
                  1 Medal - Overall

MAPS:

Honorable Mention:	Falling Spring, Missouri Pappy's Point Sea Caves, California San Pedro, location unknown Wind Cave, Missouri	Mick Sutton Carol Vesely Carol Vesely Mick Sutton
Merit Award:	Coral Caverns, Pennsylvania Gibnut Cave, Belize Lost River Cave, Kentucky (Special Class) Mitchell Caves, California Seneca Caverns, West Virginia	John Ganter Carol Vesely Chris Groves Bob Richards John Ganter
Medal Award:	Buckeye Creek Cave System, West Virginia	George Dasher
OTHER MAPS:	Black Hills Caverns, South Dakota Bona Fide Cave, Jamaica Boundry Pit, Missouri Burro Cave, New Mexico Coachwhip Cave, New Mexico Copper Chief Spring Cave, Arizona Crystal Caverns, New Mexico Cueva de San Pedro, Mexico Falling Cave, Jamaica Friars Hole Cave System, West Virginia Handprint Pit, Indiana Livingston Cave, Kentucky Millerton Lake Upper, California Penth-Welsch Ratbat, Jamaica Role Wonder Cave, West Virginia Secesh Cave, Missouri	Mike Hanson Mike DiTonto Mick Sutton Dave Belski Dave Belski anonymous Dave Belski Carol Vesley Mike DiTonto Bob Gulden Keith Dunlap Chris Groves Carol Vesley Mike DiTonto George Dasher Mick Sutton

# THE 1988 (11th Annual) CARTOGRAPHIC SALON

## Hot Springs, South Dakota

*George Dasher and Bill Nelson*

JUDGES: George Dasher, Buckhannon, West Virginia  
 Keith Goggin, Fairfax, Virginia  
 Bill Storage, Huntington Beach, California

ENTRANTS: There was a total of 38 maps entered this year. These maps were from: Australia, Canada, Guatemala, Jamaica, Mexico, California, Colorado, Hawaii, Montana, New Mexico, Oklahoma, Pennsylvania, Tennessee, Texas, Utah, Virginia, West Virginia, and Wyoming.

AWARDS: 5 green - Honorable Mentions  
 1 blue - Merit Awards  
 1 Medal - Overall

MAPS:

Honorable Mention:	Copperhead Cave, Pennsylvania Cutlip Cave, West Virginia Cueva Inclinata, Oaxaca, Mexico Lechuguilla Cave, Carlsbad, New Mexico Rock Springs Cave, Utah	Walt Hamm Doug Medville Carol Vesely Richard Bridges Rod Horrocks
Merit Award:	Thanksgiving Ridge Cave, Canada	Steve Grundy
Medal Award:	Dunco Spring Cave, Jamaica	Mike Futrell
OTHER MAPS:	Antelope Springs Cave, Utah Bee Cave, Texas Behind the Wall Cave, Jamaica Bill Hendricks Cave, West Virginia Bighorn Caverns, Montana Con Cave, Pennsylvania Critter Canyon Cave, Tennessee D.C. Jester Cave Complex, Oklahoma Dead Doe Cave, Virginia Disappointment Cave, Queensland, Australia Fixin' to Die Cave, Colorado Friars Hole-Toothpick Caves, West Virginia Greenhorn Cave, California Hell's Hammer Hole, Oaxaca, Mexico Historico Antigua Cave, Dominican Republic Horsethief Cave, Montana and Wyoming Jester Complex Caves, Oklahoma Lilburn Cave, California Lost Canyon Cave, Tennessee Lost Cave Cave, Tennessee Lower Hughes Creek Cave, West Virginia Nacimiento de Tamul, San Luis Potosí, Mexico Palace Cave, Texas Sontano de Maldonado, San Luis Potosí, Mexico Sumidero Rio Pampur, Alta Ver?, Guatemala Silers-Cricket Maze Cave, West Virginia	Brent Jarvis John Brooks Mike Futrell Bob Gulden Bob Brown Walt Hamm Jeff Parnell Sue Bozeman Mike Futrell Walt Hamm ? Bob Gulden Richard Breisch Mike Futrell Keith Wheeland Mike Hecker Sue Bozeman Peter Bosted Jeff Parnell Jeff Parnell Carol Vesely Peter Sprouse John Brooks Peter Sprouse Rod Horrocks Bob Gulden

Stratosphere Balloon Cave, West Virginia  
Taulable Cave?, Pennsylvania  
Trussel Cave, Tennessee  
Waiahuakua Cave, Kauai, Hawaii  
Waiwaipuhi Cave, Kauai, Hawaii

Bob Thrun  
Walt Hamm  
Jeff Parnell  
Carol Vesely  
Bob Richards

NOTE: Bill Nelson was the chairman of this salon; however, he did not arrive at Convention until Wednesday and George Dasher "took over" the salon and put it together when Bill was a no show.

# THE 1989 (12th Annual) CARTOGRAPHIC SALON

## Sewanee, Tennessee

*george dasher*

JUDGES: Ward Fueller, Charlettsville, Virginia  
 Bob Gulden, Odenton, Maryland  
 George Veni, San Antonio, Texas

ENTRANTS: There was a total of 57 maps entered this year. These maps were from: Canada, Costa Rica, Jamaica, Mexico, Oman, Philippines, Alabama, Arizona, Arkansas, Indiana, Kansas, Missouri, New Mexico, Tennessee, Texas, Virginia, and West Virginia.

AWARDS: 12 green - Honorable Mentions  
 3 blue - Merit Awards  
 1 Medal - Overall

MAPS:

Honorable Mention:	Bailey Cave, Virginia	Bill Balfour
	Bayn Hakayn (Arch Cave), Selmeh Plateau, Jabal Bani Jabir, Sultanate of Oman	John Ganter
	Bearwallow Cave, Virginia	Bill Balfour
	Bull Thistle Cave, location confidential	George Dasher
	Cano Seco and la Caverna Escondida, Provincia de Puntarengs, Costa Rica	Hope Uhl
	Caverna Corredores, Provincia de Puntarengs, Costa Rica	Hope Uhl
	Cueva de California, Rancho Nuevo, Municipio de Guemez, Tampaulipas, Mexico	Peter Sprouse
	Hanging Rock Drop, Indiana	Dave Black
	Irelands Cave, Texas	Bill Russell/Dale Pate
	Kahf Khashayl (Funnel Cave) Selmeh Plateau, Jabal Bani Jabir, Sultanate of Oman	John Ganter
	Kahf Aqabat Khushil (Seventh Hole), Selmeh Plateau, Jabal Bani Jabir, Sultanate of Oman	John Ganter
	No Sweat Cave, Indiana	Dave Black
Merit Award:	Carma Cave, Provincia de Puntarengs, Costa Rica	Hope Uhl
	Cave Spring Cave, Virginia	Tom Spina
	Cueva Tres Pisos, Baja California, Mexico	Bob Richards
Medal Award:	Cave Spring Cave, Virginia	Tom Spina
OTHER MAPS:	Bird Horror Hole, Alabama	Dave Black
	Bonogan Cave, Upper Cabacnitan, Batuan Bohol, Phillipines	Phil Reed
	Brewer's Cave, New Mexico	Mike Goar
	Caballo Cave, New Mexico	Mike Goar
	Cal Thompson Cave System, Arkansas	Jim Vaughn
	Camaro Cave Project, Batuan Bohol, Phillipines	Phil Reed
	Castigo Cave, Poblacion Norte Batuan Bohol, Phillipines	Phil Reed
	Clubhouse Cave, Missouri	Robert Taylor, David

Emus Cave, Provincia de Puntarengs, Costa Rica	Morr, Jonathan Beard
Fitch Bat Cave, Kansas	Hope Uhl Jonathan Beard and James Young
Fraley's Cave, Arkansas	Jim Vaughn
Fudges Cave, Virginia	Bill Balfour
Fuells Drop Cave, West Virginia	George Dasher
Hell of a Pit, West Virginia	George Dasher
High Hopes Area, Lechuguilla Cave, Carlsbad Caverns National Park, New Mexico	Pat Kambesis
Indian Cave, Tennessee	Jeff Bowers
Indian Cave, Virginia	Bill Balfour
Kartchner Caverns, Arizona	Deborah Buecher
McMoran D.E.S. Cave, Kansas	Jonathan Beard, James Young, and Arlin Pound
Mitchell Cave, West Virginia	George Dasher
Navajo Cave, New Mexico	Mike Goar
Philpott's Pumphouse Cave, Tennessee	Hubert Crowell
Poorfarm Cave, West Virginia	Tom Spina
Rolling Rock Cave, Indiana	Dave Black
Shakerag Cave, Tennessee	Jeff Bowers
Ughub Cave, Batuan Bohol, Phillipines	Phil Reed
U.S. 219 Cave, West Virginia	Tom Spina
Waitaker Saltpetre Cave, Tennessee	Jeff Bowers
Wilburn Valley Cave, Virginia	Mike Futrell
Wright Cave, Tennessee	Jeff Bowers
Wyman's Cave, Indiana	Dave Black

DISPLAY ONLY:

Back-of-the-Hut Cave, Cockpit Country, Trelaway Parish, Cornwall County, Jamaica, West Indies	Ed Devine
Cave-in-the-Meadows, Northern Vancouver Island, British Columbia	Ed Devine
Central Cockpit County, Jamaica, West Indies	Ed Devine
High Lakes Insurgence Cave, Northern Vancouver Island, British Columbia	Ed Devine
Paul Penleys Cave System, Harman's Avalanche Pit Overlay, Skydusky Hollow, Virginia	Ed Devine
Paul Penleys Cave System, Lower Level Overlay, Skydusky Hollow, Virginia	Ed Devine
Paul Penleys Cave System, Polar Regions Overlay, Skydusky Hollow, Virginia	Ed Devine
Paul Penleys Cave System, Skydusky Hollow, Virginia	Ed Devine
Paul Penleys Cave System, Upper Level Overlay, Skydusky Hollow, Virginia	Ed Devine
Undernose Cave, Cockpit Country, Trelaway Parish, Cornwall County, Jamaica, West Indies	Ed Devine

NOTE: Bill Nelson was the chairman of this salon; however, he was a no show and George Dasher "took over" the salon and put it together.

# THE 1990 (13th Annual) CARTOGRAPHIC SALON

## Yreka, California

*george dasher*

JUDGES: Don Coons, Rutland, Illinois  
Ann Strait, Calsbad, New Mexico  
Bob Thrun, Adelphi, Maryland

ENTRANTS: There was a total of 47 maps entered this year. These maps were from: Guatemala, Mexico, Alabama, Alaska, California, Indiana, Kentucky, Missouri, New Mexico, Ohio, Oklahoma, Puerto Rico, and West Virginia.

AWARDS: 7 green - Honorable Mentions  
4 blue - Merit Awards  
1 Medal - Overall

**MAPS:**

**Short caves:**

Honorable Mention:	Cueva Buena Vista, Oaxaca, Mexico Las Cuevas de san Josecito, Municipio General Ignacio Zaragoza, Nuevo Leon, Mexico	Nancy Pistole George Veni
Merit Award	Carey's Big Mud Cave, Anza-Borrego Desert Park, California Kicking Horse Glacier Cave, Garrison Glacier, Southeastern Alaska	Bob Richards Carlene Allred

**Medium caves:**

Honorable Mention	Doug Green Cave, Alabama Junction Cave, New Mexico	Pat Kambesis Mike Goar
Merit Award	Lincoln Caverns, New Mexico Price Strike Cave, Wilburn Valley, Virginia	Mike Goar Mike Futrell

**Long caves:**

Merit Award	Naj Tunich, Municipio de Poptun, Peten, Guatemala	George Veni
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**Special maps:**

Merit Award	Cenote Naharon, Tulum, Quintana Roo, Mexico Lilburn Cave, Kings Canyon National Park, California	James Coke Peter Bosted
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MEDAL:	Snowflower Pit, Alabama	Pat Kambesis
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OTHER MAPS:	Andy's Cave, New Mexico Bat Cave, Carter Caves State Park, Kentucky Bi-Level Cave, Oklahoma Bixby Landing Sea Caves, California Catclaw Cave, Catclaw Cave Nature Preserve, Indiana Cathedral Cove Cave, Channel Islands National Park, East Anacapa Island, California	John Brooks Horton Hobbs Sue Bozeman Peter Bosted Keith Dunlap Bob Richards
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Clancy's Cave, Kentucky	James Greer
Colonnade Cave, West Virginia	T. Ross/Charles Hoffman
Cottonwood Bat Cave, Oklahoma	Sue Bozeman
Cold Dunk Cave (La Cueva del Chapuzon), Tala Jalisco, Mexico	John Pint
Cueva Mariposa, Oaxaca, Mexico	Nancy Pistole
Cuevas de la Forja, Chupaderos Municipio de Zaragoza, Nuevo León, Mexico	Peter Sprouse
Davis Blowout Cave, Texas;	Bill Elliott/Dale Pate
El Capitan Cave, Prince of Wales Island, Alaska	Kevin Allred
E-Ticket Cave, Arroyo Tapiado Canyon, Anza-Borrego Desert State Park, California	Nancy Pistole
Fieldhouse Cave, West Virginia	National Youth Science Camp Expedition
Chimney Lava Tube System, Freudian Complex, California	Lisa Wolff
Fuzzy Coon Cave, Kentucky	Horton Hobbs III
Grand Gulf Cave, Missouri	Mick Sutton
Insanity Culvert Cave, California	Lisa Wolff
James Creek Cave, Missouri	Jon Beard
Little Mud Cave, Arroyo Tapiado Canyon, Anza-Borrego Desert State Park, California	Scott Schmitz
Locust Creek Cave, West Virginia	Ron Simmons
Popcorn Pit, California	Bob Richards
Rehoboth Church Cave, West Virginia	Bob Frostick
Rio Camuy Cave, Barrio Quebrada, Camuy, Puerto Rico	Russ Gurnee
Rocking Chair Cave, New Mexico	Dave Belski
Stairstep Dome Cave, California	Peter Bosted
Sunbeam Cave, California	Peter Bosted
Triple Eagle Pit, Charlie Martin Ranch, New Mexico	Dave Belski
Widow Cave, Oklahoma	Sue Bozeman
Wishbone Caves I and II, Oklahoma	Sue Bozeman
Wolf's Lair Cave, New Mexico	Mike Goar
Zane Caverns, Ohio	Horton Hobbs III

# THE 1991 (14<sup>th</sup> Annual) CARTOGRAPHY SALON

## Cobleskill, New York

*george dasher*  
23 July 1991

JUDGES: Ed Devine, Vienna, Virginia  
Hubert Crowell, Marietta, Georgia  
Carol Vesely, Monrovia, California

ENTRANTS: All told, 36 maps were entered by 17 entrants. The maps were from: Mexico, Costa Rica, Alaska, Alabama, California, Illinois, North Carolina, Tennessee, Virginia, and West Virginia.

AWARDS: 11 Green Honorable Mentions  
5 Blue Merit Awards  
1 Medal

MAPS:

Honorable Mention:	Herbert's Cave, North Carolina Fountain Cave, Virginia Piddling Pit, West Virginia Rimstone Falls, West Virginia Captain Soup Cave, Tongass National Forest, Prince of Wales Island, Alaska Nellie's Cave, West Virginia Sotano del Aire, San Cayetano, San Luis Potosi, Mexico Macho Peek A Boo Cave, Tongass National Forest, Prince of Wales Island, Alaska Stove Cave, West Virginia Madisons Saltpetre Cave, Virginia Smith's Hidey Hole, unknown location	Laurie Adams Charlie Lucas Greg Springer Bill Balfour  Carlene Allred Greg Springer  Raoul Puente  Carlene Allred Greg Springer Charlie Lucas Pat Kambesis
Merit Awards:	Cenote Carwash, Quintana Roo, Mexico Caverns at Natural Bridge Village, Virginia Galeria Grande, Provinceia de Puntarenas, Costa Rica Salamander Blowhole, Tennessee Packsaddle Cave, California	Jim Coke Tom Spina  Hope Uhl Laurie Adams Bob Richards
MEDAL:	Bananal, Provincia de Puntarenas, Costa Rica	Hope Uhl
OTHER MAPS:	Blowing Cave, Virginia Bob Gee Cave, West Virginia Broom Sage Pit, Tennessee Dimple Cave, Tongass National Forest, Prince of Wales Island, Alaska Dollar Cave, West Virginia Flowstone Cave, location unknown FOS - Speak to Me Cave, location unknown Handline Cave, West Virginia Karen's Cave, Alabama Kuykendall Cave, location unknown Little River Cave, Virginia Marble Cave, Tongass National Forest, Prince	Bill Balfour Bill Balfour Bruce Zerr  Carlene Allred Charlie Lucas ? Bill Bussey Charlie Lucas Richard O'Hara Laurie Adams Bill Balfour

of Wales Island, Alaska	Carlene Allred
Musick Cave, location unknown	Laurie Adams
Outcrop Pit, Tennessee	Bruce Zerr
Slate Cave etc., Tongass National Forest, Prince	
of Wales Island, Alaska	Carlene Allred
Trojan Cave, location unknown	?
Wanda's Waterfall Cave, Illinois	Ken McGee
Wind Cave, location unknown	Laurie Adams

# THE 1992 (15<sup>th</sup> Annual) NSS CARTOGRAPHIC SALON

Salem, Indiana

*george dasher*  
11 August 1992

JUDGES: George Dasher, Cross Lanes, West Virginia  
Ron Morton, Richmond, Virginia  
Dale Pate, Carlsbad, New Mexico

ENTRANTS: There was a total of 38 maps entered this year. These maps were from: Australia, China, Costa Rica, Alabama, Alaska, California, Colorado, Florida, Indiana, Kansas, Kentucky, Missouri, Pennsylvania, Tennessee, Virginia, Washington, and West Virginia.

AWARDS: 13 green - Honorable Mentions  
3 blue - Merit Awards  
2 Medals - Overall

MAPS:

Honorable Mention:	Catawba Murder Hole, Virginia	Bob Alderson
	Carney's Pit, Pennsylvania	Bert Ashbrook
	Dou Bin Dong, Guizhou Province, Peoples Republic of China	Pat Kambesis
	Dragon's Breath Cave, Tongass National Forest, Prince of Wales Island, Alaska	Carlene Allred
	Eagles Nest Cave System, Florida	Eric Hutcheson
	El Capitan Pit, Tongass National Forest, Prince of Wales Island, Alaska	Carlene Allred
	Finney Cave, Tennessee	Dottie Eckert
	Hua Ta Dong, Guizhou Province, Peoples Republic of China	Pat Kambesis/Don Coons
	Lao Wa Dong, Guizhou Province, Peoples Republic of China	Pat Kambesis/Tom Stockton
	Long Qi Dong, Guizhou Province, Peoples Republic of China	Pat Kambesis
	Rattlesnake Sink, Pennsylvania	Walt Hamm
	Suicide Cave, Indiana	Keith Dunlap
	Xiao Lu Dong, Guizhou Province, Peoples Republic of China	Pat Kambesis/Don Coons
Merit Awards:	Caves and Karst of the Zhijin River Gorge, Guizhou Province, Peoples Republic of China	Pat Kambesis
	Chui Feng Dong, Guizhou Province, Peoples Republic of China	Pat Kambesis/Don Coons
	Richlands Cave, West Virginia	Bert Ashbrook
MEDAL:	El Rectángula, Provincia de Ponteranus, Costa Rica	Hope and Jeff Uhl
	Mammoth Cave, Kentucky Avenue, Mammoth Cave National Park, Kentucky	Mick Sutton

OTHER MAPS:	Arnolds Cave, Missouri	Aaron Addison
	Blowing in the Wind Cave, Tongass National Forest, Prince of Wales Island, Alaska	Carlene Allred
	Boiga Cave, Geike National Park, Northern Territory, Australia	Walt Hamm
	Cataract Cave, Tongass National Forest, Prince of Wales Island, Alaska	Carlene Allred
	Cow Shelter Cave, Virginia	Bill Bussey
	Eagles Roost Cave, Tongass National Forest, Prince of Wales Island, Alaska	Carlene Allred
	Fern Spring Cave, Missouri	Aaron Addison
	Fulford Cave, Colorado	Steve Reames
	Havard Cave, Kansas	Jonathan B. Beard
	Hei Dong, Guizhou Province, Peoples Republic of China	Pat Kambesis
	Henderson Horror Hole, Virginia	Mike Futrell
	Hot Caverns, Missouri	Aaron Addison
	Long Crawl Cave, Kansas	Jonathan B. Beard
	Masochist Cave (The), Washington	Larry King
	Merrill Rift, Alabama	Pat Kambesis
	Murphy's Caves #1 & #2, Kentucky	Howard Kalnitz
	Peters Mountain Cave #2, West Virginia	Mike Futrell
	Rivers End and O.S. Caves, Tongass National Forest, Prince of Wales Island, Alaska	Carlene Allred
	Sea Caves of Anacaga Island, California	Dave Bunnell
	You Cai Dong, Guizhou Province, Peoples Republic of China	Pat Kambesis

# THE 1993 (16<sup>th</sup> Annual) NSS CARTOGRAPHIC SALON

## Pendleton, Oregon

*Ernst Kastning*  
16 September 1993

JUDGES: Doug Medville, Reston, Virginia  
Bill Storage, San Francisco, California  
Thom Engel, Voorheesville, New York

ENTRANTS: 45 maps were entered this year by 20 cartographers. The maps were from: China, Guatemala, Mexico, Alaska, Arkansas, California, Missouri, New Mexico, Oklahoma, Tennessee, Utah, Washington, West Virginia, and Wyoming.

AWARDS: 7 green - Honorable Mentions  
5 blue - Merit Awards  
1 Medal - Overall

MAPS:

Honorable Mention:	Beaver Falls Cave, Prince of Wales Island, Alaska	Rod Horrocks
	Caldwell Cave, West Virginia	Bill Balfour
	Clay Cave, Arkansas	Jean Krejca
	Parks Ranch Cave, New Mexico	Dave Belski
	Snowhole Cave, Tongass National Forest, Prince of Wales Island, Alaska	Carlene Allred
	Timpanogos Cave, Timpanogos Cave National Monument, Utah	Rod Horrocks
	Kelly Hollow Cave, Mark Twain National Forest, Missouri	Mick Sutton
Merit Award:	Blowing in the Wind Cave, Tongass National Forest, Prince of Wales Island, Alaska	Carlene Allred
	Casteret Cave, West Virginia	George Dasher
	Chasm Cave, California	Carol Vesely
	Lower Hughes Creek Cave, West Virginia	Carol Vesely
	Shoung Long Dong, China	Patricia Kambesis
MEDAL:	Sinks of Gandy, West Virginia	George Dasher
OTHER MAPS:	Alabama Run Cave, Tennessee	Patricia Kambesis
	Arch Cave, Missouri	James Potts
	Big Gypsum Cave, Oklahoma	Jonathan Beard
	Bill Short Cut Cave/Joe's Cave, Washington	Marc Mursell
	Cueva Palamitas, Oaxaca, Mexico	Peter Bosted
	Cueva Pacheco, Oaxaca, Mexico	Peter Bosted
	Cueva Charco, Oaxaca, Mexico	Peter Bosted
	Cracker Neck Cave, Missouri	James Potts
	Crystal Palace, Tongass National Forest, Prince of Wales Island, Alaska,	Carlene Allred
	Cueva de Heidi, Alta Verapaz, Guatemala	Nancy Pistole
	Dark Cave, Prince of Wales Island, Alaska	Rod Horrocks
	Dynamited Cave, Washington	Gary Petrie
	Fancy Canyon Cave, Oklahoma	Jonathan Beard
	Fantasy Pit, Missouri	James Potts

Grag-O-Lea Cave, Missouri	James Potts
Great Expectations Cave, Big Horn Mountain, Wyoming	Steve Grundy
Hanna Caverns, West Virginia	George Dasher
Harman Cave, Missouri	James Potts
Hobo Cave, Missouri	James Potts
Hurricane Crawl Cave, Sequoia National Park, California	Steve Ruble
Newton Cave, location unknown	Chuck Crandall
North Cave, Washington	Marc Mursell
Orange Feather Cave, location unknown	Dave Belski
Roaring Road Cave, Tongass National Forest, Prince of Wales Island, Alaska	Carlene Allred
Sima Don Juan, Chiapas, Mexico	Nancy Pistole
Triple Eagle Pit, location unknown	Dave Belski
Turner Pit #2, West Virginia	George Dasher
Two Rock Cave, Washington	Marc Mursell
Wild Dog Cave, West Virginia	Bert Ashbrook
Wolves Lair Cave, Prince of Wales Island, Alaska	Rod Horrocks

**THE 1994 (17<sup>th</sup> Annual) NSS CARTOGRAPHIC SALON**  
**Bracketville, Texas**

*george dasher*  
*26 June 1994*

JUDGES: Angela Morgan  
 Dick Graham  
 Art Palmer  
 Peg Palmer

ENTRANTS: All told, 58 entries for 32 cartographers and 7 countries. These were from:

Belize	7 Mexican states:	18 U.S. states:
Dominican Republic	Chiapas	Alabama
Guatemala	Nuevo Leon	Alaska
Mexico	Oaxaca	Arizona
Peoples Republic of China	Tamaulpas	California
Switzerland	Quintana Roo	Colorado
U.S.A.		Kentucky
		Hawaii
		Illinois
		Indiana
		Kansas
		New Mexico
		Oklahoma
		Oregon
		Pennsylvania
		Texas
		Virginia
		Washington
		West Virginia

AWARDS: 11 Green Honorable Mentions  
 7 Blue Merit Awards  
 1 Medal

MAPS:

Honorable Mentions:	Biggers Cave, West Virginia	Bert Ashbrook
	Blue Creek Cave, Toledo District, Belize	Carol Vesely/Tom Miller
	Cenote Mayan Blue, Tulum, Quintana Roo, Mexico (underwater)	
	Cueva de Heidi, Att Verapez, Guatemala	Jim Coke
	El Capitan Cave, Tongass National Forest, Prince of Wales Island, Alaska	Nancy Pistole
	Elk River Cave, West Virginia	
	Hartman Cave, Pennsylvania	Carlene Allred
	Hei Dong, Zhijin County, Guizhou Province, Peoples Republic of China	Bill Balfour
	Langford Pit, Alabama	Bert Ashbrook
	Muttseehöhle, Switzerland	
	Pele's Abyess, Walali, Hawaii	Pat Kambesis
		Pat Kambesis
		Projekt Multsee
		Don Coons/Carol Vesely
Merit Awards:	Cueva Amontilado, Oaxaco, Mexico	Carol Vesely

	Cueva del Rio Corona (Cueva de Pie en Boca), Yerbabuena, Municipio de Guemes, Tamaulpas, Mexico	Mike Futrell
	Green Cave, Kickapoo Caverns State Natural Area, Texas	George Veni
	Kickapoo Caverns, Kickapoo Caverns State Natural Area, Texas	George Veni
	Natural Tunnel Caverns, Natural Tunnel State Park, Virginia	Bill Balfour
	Olaa Cave, Big Island, Hawaii	Bob Richards
	Sistema Sac Actun, Tulum, Quintana Roo, Mexico (underwater)	Jim Coke
MEDAL:	Wu Dong, Duyin County, Guizhou Province, Peoples Republic of China	Pat Kambesis
OTHER MAPS:	Big Black Cave, North Hilo District, Hawaii	Doug/Hazel Medville
	Blue Lake Rhino Cave, Washington	Cato Holler
	Bradshaw Run Cave, West Virginia	Bill Balfour
	Cascade Spring Cave, Oklahoma	Sue Bozeman
	Cathedral Caverns, Alabama	W. W. Varnedoe, Jr.
	Cave of the Broken Sink, Kansas	Jonathan Beard
	Cedar Cave, Kings Canyon National Park, California	Peter Bosted
	Cenote Esqueleto, Tulum, Quintana Roo, Mexico (underwater)	Jim Coke
	Charcoal Cave Number One, Oregon	Larry King
	Clyfty Cave, Indiana	Keith Dunlap
	Come-A-Long Cave, Kentucky	Scott Howard
	Cox's Cave, Oklahoma	Sue Bozeman
	Cueva Catanamatias, San Juan Province (electronic entry)	Fred Wefer
	Cueva Pereza, Yerbabuena, Municipio de Guemex, Tamaulipas, Mexico	Pat Kambesis
	Cueva de Diaz-Lopez, Arroyo Grande, Chiapas, Mexico	Dave West
	Derrick Cave, Oregon	Larry King
	Dun San Dong, Kai Kou Area, Guizhou Province, Peoples Republic of China	Carol Vesely
	Grinstead Cave, Virginia	Bob Alderson
	Guthrie Cave, Illinois	?
	Hidden Forest Cave, Oregon	Larry King
	High Hopes Area, Lechuguilla Cave, Carlsbad Caverns National Park, New Mexico	Pat Kambesis
	Hilltop Cave, Kentucky	Scott Howard
	Honaker Cave, West Virginia	Bill Balfour
	Huccacove Cave, Colorado	Paul Burger
	Kijahe Xontjoa, San Martin Cabellero, Oaxaca, Mexico	Proyecto Cerro Rabón
	Left Tit Pit, West Virginia	Bill Balfour
	Moku Cave, Puna District, Island of Hawaii	Carlene Allred
	Nita Engelhardia, San Martin Cabellero, Oaxaca, Mexico	Proyecto Cerro Rabón
	Nita Sakafaai, San Martin Cabellero, Oaxaco, Mexico	Proyecto Cerro Rabón

	Packsaddle Quarry Project, Pennsylvania	Kim Opatka
	Pictograph Cave, Oregon	Larry King
	Powell (McManus) Cave, Kentucky	Scott Howard
	Pumphouse Cave, Tennessee (electronic entry)	Hubert Crowell
	Skeleton Cave, Oregon	Larry King
	Sotano San Antonio, San Martin Cebellero, Oaxaca, Mexico	Proyecto Cerro Rabón
	Triple Puka Dul, North Kona District, Hawaii	Doug/Hazel Medville
	Under the Wall Cave, North Kona District, Hawaii	Doug/Hazel Medville
DISPLAY ONLY:	Fletchers Cave, West Virginia	George Dasher
	Grutas de Palmito, (Grutas de Bustamante), Bustamante, Nuevo Leon, Mexico	AMCS and Orion Knox

NOTES:

1. One map of a basalt cast of a Pleistocene rhinoceros which died in a lake bed in Grant County, Washington.
2. Two maps for display only.
3. Three maps of underwater caves.
4. Two were electronic entries. These were caves viewed and manipulated using a computer and CRT screen. They were not, unfortunately, judged by the judges as they were each unique and displayed the caves in an entirely different manner. In addition, there was only a very small sampling of the electronic entries and the judges had no criteria by which to judge such entries.

# THE 1995 (18<sup>th</sup> Annual) NSS CARTOGRAPHIC SALON

## Blacksburg, Virginia

*george dasher*  
22 July 1995

JUDGES           Mike Futrell, Springfield, Ohio  
                      Pat Kambesis, Atlanta, Georgia  
                      Hope McAdam, Perkasie, Pennsylvania

ENTRANTS: All told, 41 maps were entered from the following locales: Iceland, Malaysia, Chiapas (Mexico), Oaxaca (Mexico), Alabama, Alaska, Colorado, Hawaii, Kansas, Kentucky, Missouri, Pennsylvania, Virginia, and West Virginia.

AWARDS:           5 Green Honorable Mentions  
                      4 Blue Merit Awards  
                      1 Medal

MAPS:

Honorable Mention:	Caves of the Dripping Springs Escarpment, Barren, Edmonson, and Hart Counties, Kentucky Earth Mother Cave, West Virginia Sinks of the Run Cave, West Virginia Manitou Cave, Williams Cañon, Colorado Whispering Cave, Wrangell-St. Elias National Park, Alaska	Don Coons Ron Simmons Bill Balfour Paul Burger  Carlene Allred
Merit Awards:	Casey Quarry Cave Locations, Pennsylvania Coon Cave, Pennsylvania Fault Cave System (The), Colorado Sinks of Potts Creek, Virginia	Walt Hamm Bert Ashbrook Hazel Barton Bob Alderson
MEDAL:	Paxton Cave, Virginia	Tom Spina
OTHER MAPS:	Baker Cave, Kentucky Bear Cave, Pennsylvania Blue Marble Cave/Waterworks Cave, Tongass National Forest, Prince of Wales Island, Alaska Blunder Hole Cave, Alabama Bolivar Track Cave, Pennsylvania Buzzards Roost Cave, Kentucky Cloud Cave II, Kansas Coffee Cave, Kealakekua, Hawaii Cow Rock Cave, Pennsylvania Cueva Cheve, Municipio de Concepcion Papalo, Oaxaca, Mexico  Curry Pit, West Virginia Dr. Bellou Cave/Hawaiian Acres #1 Cave, Puna District, Island of Hawaii, Hawaii Falling Springs Cave, West Virginia Foster's Cave, Kentucky Gua Kulit Sipat (Snail Shell Cave), Fifth Forest District, Gunong Buda, Sarawak, Malaysia Half Mile Cave, Missouri	Scott Howard Jay Reich, Jr.  Kevin/Carlene Allred Don Coons Walt Hamm Don Coons James Potts Doug Medville Kim Opatka-Metzgar  Don Coons, Nancy Pistole, Carol Vesely Walt Hamm  Carlene Allred Doug Medville Scott Howard  Don Coons James Potts

Kalmanshellir Lava Cave, Hallmundarhrun Island, Iceland	Jay Reich, Jr. Ron Simmons
Laneville Water Supply Cave, West Virginia	
Lemon Hole (The Sinkhole Caverns), Pennsylvania	Kim Opatka-Metzgar
Locust Cave, Kansas	James Potts
Mertz Cave, Missouri	Don Coons
Moth Cave, Pennsylvania	Tom Metzgar
Nicey Cave, Kentucky	Scott Howard
Praters Cave III, Missouri	James Potts
Puffin Grotto, Noyes Island, Alaska	Kevin Allred
Rainbow Falls Cave, location confidential	Mike Frazer
Santee Cave Systemm, location confidential	Chris Elmore
Sima de Sopessa, Chiapas, Mexico	Chuck Crandell
Sistema Chipmonk, West Virginia	Ron Simmons
Terra Nova Cave, Noyes Island, Alaska	Carlene Allred
Windgate Cave Area, Tongass Cave Project, Prince of Wales Island, Alaska	Kevin/Carlene Allred

# THE 1996 (19<sup>th</sup> Annual) NSS CARTOGRAPHIC SALON

## Salida, Colorado

*george dasher*  
18 August 1996

JUDGES: Bert Ashbrook, Allentown, Pennsylvania  
Bill Balfour, Kingsport, Tennessee  
George Dasher, Cross Lanes, West Virginia

ENTRANTS: All told, 35 maps were entered from the following locales: China, Switzerland, Oaxaco (Mexico), Alaska, California, Colorado, Hawaii, Indiana, Kentucky, Missouri, New Mexico, Pennsylvania, South Dakota, Tennessee, Washington, Virginia, and Wyoming.

AWARDS: 9 Green Honorable Mentions  
4 Blue Merit Awards  
1 Medal

MAPS:

Honorable Mentions:	Adams Cave, Wildwood Park, City of Radford, Virginia	Ernst Kastning
	Carter County Crystal Cave, Tennessee	Paul Gaskins
	Green Canyon Cave/Brown Canyon Cave, Prince of Wales Island, Tongass National Forest, Alaska	Kevin/Carlene Allred
	Hurricane Cave System (The), Colorado	Michael Frazier
	Las Grutas de San Sabastina, Oaxaca, Mexico	Stephen Lester
	Marmot's Nest Cave, Gros Ventre Wilderness, Wyoming	Garry Petrie
	Nizina Cutoff Borehole, Wrangell-St. Elias National Park, Alaska	Kevin Allred
	Tian Ba Dong, Kai You Area, Guizhou Province, Peoples Republic of China	Carol Vesely
	You Cai Dong, Guizhou Province, Peoples Republic of China	Carol Vesely
Merit Awards:	Cave of the Winds, Colorado	Paul Burger
	Con Cave, Pennsylvania	Walt Hamm
	Fixin'-to-Die Cave, Colorado	Hazel Barton
	Sawmill Cave, Pennsylvania	Walt Hamm
MEDAL:	Millerton Lake Cave System, California	Bob Richards
OTHER MAPS:	Blue Fagging Cave, North Kona District, Hawaii	Doug/Hazel Medville
	Chubby Bunny Cave, Washington	Garry Petrie
	Conway Cave, Tennessee	J. D. Shelton
	Ely Cave, Colorado	Stephen Lester
	Great Saltpeter Cave, Kentucky	Howard Kalnitz
	Harman Cave, Virginia	Linda Andrews
	Ka'upulehu Lava Tube System, North Kona District, Hawaii	Doug Medville
	Keauhou Trail System, Kilauea, Hawaii	Stephan Kempe
	Marble Cave, Colorado	Stephen Lester
	Murray Spring Cave, Indiana	Dave Black
	Omega-Ohialani Cave, location unknown	Kevin/Carlene Allred

Resurrection Cave, Washington  
Saltpeter Cave No. 3, Missouri  
Sistemo Perrito, location unknown  
Smokey Caverns, Kentucky  
Stagebarn Crystal Cave, Black Hills, South  
Dakota  
Thurston Lava Tube, Kilauea, Hawaii

Garry Petrie  
Keith Dunlap  
Al Warild  
Howard Kalnitz

Mike Hanson  
Stephan Kempe

DISPLAY ONLY:

Wind Cave, Wind Cave National Park, South  
Dakota  
Siebenhengste, Canton Berne, Switzerland  
Haglatsch, Canton Berne, Switzerland  
Lechuguilla Cave System, Carlsbad Caverns  
National Park, Eddy County, New Mexico

Mike Hanson  
Martin Heller  
Martin Heller

Martin Heller

**THE 1997 (20<sup>th</sup> Annual) CARTOGRAPHIC SALON**  
Sullivan, Missouri

*george dasher*  
30 June 1997

JUDGES: Mick Sutton, CRF Mammoth Cave and Missouri  
Rod Horrocks, Timpanogas Grotto  
Dick Graham, Droop Mountain Cave Club  
Gary Storrick, West Virginia Speleological Survey

ENTRANTS: All told, 35 maps were entered from the following locales: Costa Rica, Alabama, Alaska, California, Colorado, Hawaii, Kansas, Missouri, Pennsylvania, Tennessee, Texas, Virginia, and West Virginia.

AWARDS: 8 Green Honorable Mentions  
2 Blue Merit Awards  
2 Medal

MAPS:

Honorable Mention:	Ben's Cave and Nearby Caves along Carr Branch, West Virginia Boiling Cave, Virginia Cataracts of Miramar, Puntarenas Province, Costa Rica (English version) Coffin Cave, Virginia Daniel Boone Caverns, Virginia Fort-Peebles Cave, Tennessee Roaring Creek Cave, West Virginia Skyline Caverns, Front Royal, Virginia	Bert Ashbrook Bill Balfour  Bert Ashbrook Bill Balfour Bill Balfour Brent Aulenbach Bill Balfour Bill Balfour
Merit Awards:	Hickey Pot, Tennessee Wayback Cave, Tennessee	Pat Kambesis Pat Kambesis
MEDAL:	Cave Creek Caverns, Colorado Kazumura Cave Atlas, Island of Hawaii, Hawaii	Hazel Barton Kevin/Carlene Allred and Bob Richards
OTHER MAPS:	Baker Cave III, Missouri Cave Location Map of Harbridge Run Hollow, Derry Township, Pennsylvania Dripstone Cave, Kansas, Jonathan Beard Eagle's Roost Cave, Prince of Wales Island, Alaska Four-Mile Cave, Texas Fox Creek Cave, Missouri Gibson Caves #1 and #2, Virginia Harper Pit, Germany Valley, West Virginia Hummel's Cave, Sequoia County National Forest, California Kalaoa Petroglyph Cave, North Kona District Hawai'i Knob Pit, Missouri Mystic Cave, West Virginia	James Potts Walt Hamm  Kevin/Carlene Allred Pat Kambesis Jonathan Beard Bill Balfour John Ganter  Bob Richards  Doug Medville Aaron Addison Bob Gulden

Pole 66 Cave, North Kona District, Hawai'i	Doug Medville
Potters Cave, Tennessee	Paul Gaskins
Shafer Run Cave, Pennsylvania	Kim Opatka-Metzgar
Spider Cave (Logan Mills Cave), Pennsylvania	Keith Christenson
Swartz Canyon Project, (Rats Nest Cave, Bent Cottonwood Cave #1, Low Cave, and Rat Cave), Kansas	Jonathan Beard
Tumbling Rock Cave, Wildcat Extension, Alabama	Pat Kambesis
Kazumura Cave System, Alaa Cave Section, Big Island of Hawaii	Bob Richards
Cataracts of Miramar, Puntarenas Province, Costa Rica (Spanish version)	Bert Ashbrook
Hide-a-Bed Cave, West Virginia	George Dasher
Saltpeter Cave, West Virginia	George Dasher

DISPLAY ONLY:

**THE 1998 (21<sup>st</sup> Annual) CARTOGRAPHIC SALON**  
**Sewanee, Tennessee**

*Don Coons, Chairman*  
*Hazel Batron, Assistant Chairman*

NOTE: A complete list of the maps entered is not available.

**Kids Corner Category:** *Judges: Pat Kambesis, Carol Vesely, and Hazel Medville*

Honorable Mention:	Dr. Bellou Section, Kazumura Cave, Hawaii Indian Ladder Cave, West Virginia	Flint Allred Luke Bowman
Merit Award:	Kukui Cave, Hawaii	Soren Allred

**First-Time Entry Category:** *Judges: Paul Burger, Rod Horrocks, and Dick Graham*

Honorable Mention:	Tombstone Cave, KY	Ron Fulcher, Jr.
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**Published Maps Category:** *Judges: Dave Bunnell and Bob Richards*

Honorable Mention:	Poison Ivy Pit, Alabama Tumbling Rock Cave, Alabama	Jerry Wallace Pat Kambesis
Merit Award:	Sotano De Los Tres Ojos Verdes, Mexico	Marion Ziemons

**Computer Hard Copy Category:** *Judges: Mike Yokum, Aaron Addison, and Bernie Szukalski*

Honorable Mention:	Wiley's Cave, Texas	Bob Richards
Merit Award:	Crystal Cave, California Ka'eleku Caverns, Hawaii	Joel Despain/GregStock Bob Richards

**Open Salon Category:** *Judges: Paul Burger, Rod Horrocks and Dick Graham*

Honorable Mention:	Ch'en P'ix, Belize Obscure Magnificence Cave, Alabama Buttress-Buttress-Gully Cave, Colorado Alabama Cave, Colorado Goats Grave Cave, Hawaii Root Cellar Cave, Missouri Den Cave, Missouri Dravosburg Cave, Pennsylvania Broken Biscuit Cave, Colorado	Mike Futrell Pat Kambesis Hazel Barton Hazel Barton Carlene Allred Mick Sutton Mick Sutton Walt Hamm Hazel Barton
Merit Award:	Caves of Cave Run, Virginia Dig-Dug Cave, Colorado Selected Caves on Fox Mountain, Georgia Ka'eleku Caverns, Hawaii Crystal Cave, California	Tom Spina Hazel Barton Brent Aulenbach Bob Richards Joel Despain/GregStock
MEDAL:	Crystal Cave, California	Joel Despain/GregStock

# THE 1999 (22<sup>nd</sup> Annual) NSS CARTOGRAPHIC SALON

## Filer, Idaho

*Hazel Barton*

This year 31 maps were accepted for display, representing 11 U.S. States and three countries, including Indonesia, Mexico and China.

Judges not reported.

### Apprentice:

Honorable Mention:	Papoose Cave, Idaho Hellsinky Cave, Heceta Island, Alaska Las Grutas De Cuesta Chica, Tabasco, Mexico	Pete Crecelius Connie LaPerriere Abigail Wines
Merit Award:	Goa Hatu Saka, Seram, Indonesia Eiswert Cave #2, Pennsylvania	Chris Andrews Jim "Crash" Kennedy
OTHER MAPS:	Ponderosa Cavern, Quintana Roo, Mexico James Cave, Virginia  Pruitt's Pit Cave, Kentucky  Achilles Heel Cave, Heceta Island, Alaska Ayers-West Cave, Tennessee  Gear Grabber Grotto, Pennsylvania No Bufferin Cave, Heceta Island, Alaska Bray Ice Cave, California	Gary Walten Jim West/Kenneth Storey Jim West/Kenneth Storey Connie LaPerriere Jim West/Kenneth Storey Alex Boughamer Connie LaPerriere Bighorn Broeckel

### Experienced:

Honorable Mention:	New Cave, Washington Lime Creek Cave, Colorado	Garry Petrie Paul Burger
Merit Award:	Narrows Cave, Williams Canyon, Colorado	Paul Burger
OTHER MAPS:	Down Draft Cave, Washington Badger Cave, Guizhou Province, China Lilburn Cave, California Coyote Cave, Wind Cave National. Park, South Dakota Parson's Cave/Franklin's Pit, Virginia Dynamite Cave, California Caves of Basket Bay and Kook Creek, Chichagof Island, Alaska La Cueva de Los Ecos, San Luis Potosí, Mexico	Garry Petrie Peter Bosted Peter Bosted  Joel Despain Bill Balfour Garry Petrie  Carlene Allred John Ganter

### Master-Professional:

Honorable Mention:	Kazumura Cave, Sexton Cave Section, Hawaii	Carlene Allred/Bob Richards
Merit Award:	Cueva de Villa Luz, Tabasco, Mexico	Bob Richards
OTHER MAPS:	Wind Cave, Wind Cave National Park, South Dakota	Mike Hanson

Hurricane Crawl Cave, Sequoia and Kings  
Canyon National Parks, California  
Links Cave and Missing Link Cave, Virginia

Joel Despain  
Mike Futrell

MEDAL:

Arabica Cave, Heceta Island, Alaska  
  
(From the 'experienced' category)

Carlene Allred/David  
Love

# THE 2000 (23<sup>rd</sup> Annual) NSS CARTOGRAPHIC SALON

## Elkins, West Virginia

*Rod Horrocks*

29 total maps entered  
 7 green ribbons awarded  
 4 blue ribbons awarded  
 1 medal award awarded

**JUDGES:**

Rod Horrocks  
 Steve Reames  
 Pat Kambesis  
 Walt Hamm  
 Nancy Pistole  
 Jim Kennedy

**MAPS:**

**Novice:**

Honorable Mention:	Crystal Cave, South Hilo District, Hawaii Esquire Cave, West Virginia Why To Cave, Virginia	Dave Bunnell Peter Penczer Raymond Sira
Merit Award:	Pfeiffers Mouse House, Texas Strangford Cave, Pennsylvania	Robin Barber Keith Christenson
OTHER MAPS:	Blessing Mountain Wells, Pennsylvania Cave of the Bells, Lincoln National Forest Cenote Chac Mol, Quintana Roo, Mexico Cudjo's Cave, Virginia  Grapevine Gulch Cave, California New Section of Fault Cave, location unknown Sunset Cave, South Hilo District, Hawaii Three Sinks Ice Cave, Flat Head National Forest Withrow Springs Cave, Alabama Woodward Cave, Pennsylvania	Keith Christenson Kevin Glover Andres Matthes Jim West/Kenneth Storey Matt Leissring Derek Wolfe Dave Bunnell Kevin Glover Matt Covington Keith Christenson

**Experienced:**

Honorable Mention:	Askon Hollow Cave, Pennsylvania Cueva Sakutzul, Alta Verapaz, Guatemala Upper & Lower Kane Caves, Wyoming Wind Cave, New Mexico	Walt Hamm Nancy Pistole Bob Richards Hazel Barton
Merit Award:	Hubbards Cave, Colorado My Cave, West Virginia	Hazel Barton John Ganter
MEDAL Award:	Canadian River Cave, West Virginia	John Ganter
OTHER MAPS:	Cueva Del Rey Marcos, Alta Verapaz, Guatemala Cueva Del Rio Rocja Pemech, Alta Verapaz, Guatemala Davis Farm Cave, Georgia Hang Thuy Tien, Lao Cai Province, Vietnam	Nancy Pistole  Nancy Pistole Brent Aulenbach Mike Futrell

The Pit, Quintana Roo, Mexico	Hazel Barton
Sistem Bukit Assam, Gunung Buda, Sarawak, Malaysia	Mike Futrell
Tham Naam of Wat Phomachan, Ratchasima Province, Thailand	Mike Futrell

# THE 2001 (24<sup>th</sup> Annual) NSS CARTOGRAPHIC SALON

## Mount Vernon, Kentucky

*Steve Reames*

**JUDGES:**

Pat Kambesis  
 Jim Kennedy  
 Nancy Pistole  
 others not reported

**Apprentice:**

Honorable Mention:	Colliers Cave, location unknown ANFO Cave Complex, location unknown Alabama Caverns, Alabama Walter Michauds Mudhole, Alabama Cave Mountain Cave System, West Virginia	Jason Meneely Jim Olsen Terry Ragon Terry Ragon Dave West
Merit Award:	Cavin Cave, location unknown Madison Blowhole #2, location unknown	Jim West/Kenneth Story Dan Henry
OTHER MAPS:	Ngalu Moeko Meoko, location unknown Jugornot Cave, Kentucky Clough Cave, California Yell Cave, Tennessee Inman's Cave, location unknown Bighola Cave, location unknown Hotbox Cave, location unknown Gua Babylon, Gunong Buda, Malaysia	Matt Covington Lee Florea Shane Fryer Marbry Hardin Eric Hendrickson Howard Kalnitz Howard Kalnitz Roger Mortimer

**Experienced:**

Merit Award:	Cueva del Agua 1, Mexico Breezeway Cave, Colorado	Robin Barber Paul Burger
OTHER MAPS:	Great Crack Cave, location unknown Kula Kai Caverns, Hawaii Mammoth Cave, Kentucky Animal Den, location unknown	Don Coons Don Coons Don Coons Bob Thrun

**Master/Professional:**

Honorable Mention	Muknal Remote Siphon, Quintana Roo, Mexico Hurricane Crawl, California	Jim Coke Joel Despain
Merit Award	Soldiers Cave, California Bull Cave System, Tennessee	Joel Despain Pat Kambesis
MEDAL:	Kazumura Cave, Wonderland Portion, Hawaii	Carlene Allred
OTHER MAPS:	Hoffman School Cave, West Virginia Lorton Lick Cave, West Virginia Thompson Pit, West Virginia Hornbills Secret Cave, Gunong Buda, Malaysia Smith Valley Cave, location unknown	George Dasher George Dasher George Dasher Joel Despain Joel Despain

**Display Only:**

Caves of the Snake Well Complex, Tennessee	Brent Aulenbach
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# THE 2002 (25<sup>th</sup> Annual) NSS CARTOGRAPHIC SALON

Camden, Maine

*Steve Reames*

A total of 12 cavers entered 20 maps in the salon: seven maps in the Apprentice Category, five in the Experienced Category, two in the Master-Professional Category, and six for display only.

A complete list of the maps entered is not available.

## JUDGES:

Paul Burger  
Jim Kennedy  
Nancy Pistole

## MAPS:

### **Apprentice:**

Merit Award:	Majors Cave, location unknown Horseskull Cave, Alabama	Lee Florea Terry Ragon
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### **Experienced:**

Honorable Mention:	Deliverance Cave Gregorys Cave Dingling Hole	Chris Andrews Dan Henry Dan Henry
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Merit Award:	Blackberry Branch Cave	Robin Barber
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### **Master-Professional:**

Merit Award	Mahiehie Cave	Bob Richards
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### **MEDAL:**

Caves of the Snake Well Complex	Brent Aulenbach
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# THE 2003 (26<sup>th</sup> Annual) NSS CARTOGRAPHIC SALON

## Porterville, California

*Rod Horricks  
with assistance from Pat Kambesis*

### JUDGES:

Nancy Pistole  
Bob Richards  
Lee Florea  
Jim Kennedy  
Pat Kambesis  
Gordon Birkhimer

### MAPS:

54 maps  
5 counties  
16 states  
30 cartographers

### CARTOGRAPHERS:

29 Apprentice  
15 Experienced  
7 Masters/Pro  
2 Display

### MAPS

#### Apprentice

#### Honorable Mention:

Half Hill Cave, Texas  
Ponderosa Cave, California

Mark Gee  
H. McDonald

#### Merit Award:

Krem Maw Rang Naisaw #2, India  
Pahihi Gulch Cave, Hawaii  
Short Cave, Kentucky  
Spirit River Cave, Gunong Buda, Borneo  
Systems Key Cave, Nevada

Stan Allison  
Bernie Szukalski  
M. Evans  
Glen Malliet  
Krupa Patel

#### OTHER MAPS:

A Cave, California  
Big Spring Cave, Missouri  
Boiling Spring Cave, Pulaski County, Missouri  
Boiling Springs, Texas County, Missouri  
Caves of the Walsinghal Karst Area, Bermuda  
Diarrhea Dip Cave, California  
Grapevine Gulch Cave, California  
Grapevine Gulch Cave, California  
Great Expectations Cave, Wyoming  
Hairy Fungus Cave, Washington  
Interstate Cave, Nevada  
Offering Cave, Belize  
Pandoras Box Cave, California  
Poleta Cave, California  
Rabbit Hole Cave, California  
Red Baron Cave, Utah  
Rumbling Falls Cave, Tennessee  
Scat Cave, California  
Shoo Fly Cave, California  
Spanish Moss Cave, Utah  
Three Skylight Cave, Texas  
U-Turn Cave, Nevada  
Vortex Spring, Florida  
Wind Cave, South Dakota

M. Cooper  
T. Thompsen  
T. Thompsen  
T. Thompsen  
Bernie Szukalski  
P. Greaves  
P. Greaves  
Matt Leissring  
John Sheltons  
?  
Brandon Kowallis  
Tom Gilleland  
Matt Leissring  
Matt Leissring  
Matt Leissring  
Brandon Kowallis  
J. Swartz  
Matt Leissring  
P. Greaves  
Brandon Kowallis  
Mark Gee  
Matt Leissring  
Jason Gulley  
Bernie Szukalski

#### Experienced:

#### Honorable Mention:

Lechuguilla Cave, High Hopes, New Mexico  
Lechuguilla Cave, Promised Land, New Mexico

Paul Burger  
Robin Barber

Merit Award:	Campbell Coon Cave TN Cueva des Setzol, Guatemala	Dan Henry Nancy Pistole
MEDAL:	Lilburn Cave Atlas, California	Peter Bosted
OTHER MAPS:	Ape Cave, Washington Bear Gulch Cave, California Briar Cave, Florida Chubby Bunny/Pickings Caves, Washington El Calderon Bat Cave, New Mexico New and Jar Caves, Washington Nimblaja Cueva de Semococh, Guatemala Snail Shell Cave, Gunong Buda, Borneo South Kipuka Cave System, Washington Upper Natural Bridge Cave, California	Garry Petrie Bruce Rogers Lee Florea Garry Petrie Bruce Rogers Garry Petrie Nancy Pistole Chris Andrews Garry Petrie Dave Bunnell
<b>Master/Pro:</b>		
Honorable Mention:	none	
Merit Award:	Admirals Cave, Bermuda Zina Cave, Alaska	Bob Richards Carlene Allred
MEDAL:	Fairy Cave, Colorado	Hazel Barton
OTHER MAPS:	Psyche Cave, New Mexico Collapse Cave, New Mexico La Cueva de los Ojos, New Mexico South Peters Cove Sea Caves, California	John Ganter John Ganter John Ganter Hazel Barton
<b>DISPLAY ONLY:</b>	Fox Hole, Alabama Kazumura Cave Atlas, Hawaii	Brent Aulenbauch Carlene Allred/Bob Richards

# THE 2004 (27<sup>th</sup> Annual) NSS CARTOGRAPHIC SALON

Marquette, Michigan

*george dasher*

20 July 2004

There were 26 maps entered in this year's salon: 14 in the novice category, 8 in experienced, and 4 in expert. In addition, there were an additional nine maps shown as "display only." The maps were of caves in Guatemala, China, Mexico, Malaysia, India, and the United States.

## JUDGES: **Novice Category:**

Jim Coke  
Pat Kambesis  
Carol Vesely

## **Experienced-Master Category:**

Hazel Barton  
Steve Reames  
George Dasher

## **Tie-Breaking Judge:**

Jim Kennedy

## MAPS:

### **Novice:**

Honorable Mention:	Timpanogos Cave System, Timpanogos National Monument, Utah	Brandon Kowallis
	Kooken Cave, First Entrance to Second Entrance, Pennsylvania	Bryan Crowell
	Kooken Cave, Second Entrance to Terminal Dome, Pennsylvania	Bryan Crowell

Merit Awards:	Ixobel River Cave (One Day Cave), Poptun, Petén, Guatemala	Howard J. Kalnitz
	Clay Cave (color version), California	Matthew Leissring

OTHER MAPS:	Timpanogos Cave Atlas, unknown location	Brandon Kowallis
	Timpanogos Cave System, Timpanogos National Monument, Utah	Brandon Kowallis
	Schroder Bat Cave, Texas	Mark Gee
	Three Whirlpool Cave, Texas	Mark Gee
	Clutch Cave, California	Matthew Leissring
	Clay Cave (black and white version), California	Matthew Leissring
	Da Dong, Hunan Province, China	Hung Meigui (???)
	Sewanee Plunge, Tennessee	Ryan Moran
	Cenote Vaca Ha, Tulum, Quintana Roo, Mexico	Bill Phillips
	Pontiac Pit, Florida	Don Seale

### **Experienced:**

Honorable Mention:	Tuberance Cave, North Hilo District, Hawai'i	Bern Szukalski
	Krem Maw Tynhiang (Rock Slab Cave), Meghalaya, India	Stan Allison
	Krem Dita, Meghalaya, India	Stan Allison
	Lechuguilla Cave, Nirvana Quad, Carlsbad	

	Caverns National Park, New Mexico	Rod Horrocks
Merit Award:	Jerusalem Cave, Kentucky	Lee Florea
OTHER MAPS:	Willett Cave, Tennessee	Jim West
	Hog Cay Cave, San Salvador, Bahamas	Lee Florea
	Belleview Formation Cave, Florida	Lee Florea
<b>Expert:</b>		
Honorable Mention:	Mossy Abyss, Dall Island, Alaska	Carlene Allred
	Cueva de Villa Luz, Tabasco, Mexico	Bob Richards
Merit Award:	Main Upper Level of Marengo Cave, Indiana	Bob Richards
MEDAL:	None	
OTHER MAPS:	Hidden River Cave, Kentucky	Bob Richards
<b>Display Only:</b>	Snail Shell Cave, Gunung Buda National Park, Sarawak, Malaysia, Borneo	Chris Andrews
	Gua Gereja Hijau Pantal (Green Cathedral Cave System), Gunung Buda National Park, Gunung Buda Massif, Sarawak, Malaysia	Joel Despain
	Gua Sungai Roh (Spirits River Cave), Sarawak, East Malaysia, Borneo	Glen Malliet
	System Bukit Assan (Assan Hill System), Gunung Buda Limbang, Sarawak, Malaysia	Mike Futrell
	Compendium Cave, Limbang Sarawak, Malaysia	Mike Futrell
	Gua Babylon, Lower Fifth Forest Division, Limbang Sarawak, Malaysia	Roger Mortimer
	Gua Babylon, Lower Fifth Forest Division, Limbang Sarawak, Malaysia	Roger Mortimer
	Hornbills Secret Cave, Gunung Buda National Park, Sarawak, Malaysia	Joel Despain
	Brookville Ridge Cave (working map), Florida	Lee Florea