

THE ROCKFINDER

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*Larry Hess, Editor
Michiana Gem & Mineral Society
15358 Kerlin Drive
Granger, IN 46530*



*Bring a dish to share with everyone.
Bring your own Silverware and Plates.
Bring a gift for the gift exchange.
Doors Open: 12:30 Meal: 1:00pm
Sunday, December 5, 1993*

MICHIANA GEM and MINERAL SOCIETY

1993 BOARD OF DIRECTORS

President	----	Margaret Heinek	7091 E East Park Ln, New Carlisle IN 46552
Vice Pres	----	Larry Hess	15358 Kerlin Dr, Granger IN 46530
Secretary	----	Pam Rubenstein	1316 Catherwood Dr, South Bend 46614
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Liaison	----	Paul Godollei	1910 Ribourde Dr, South Bend IN 46628
Past Pres	----	James Russell	27911 North St, North Liberty IN 46554

COMMITTEE CHAIRPERSONS

Programs	---	Larry Hess	15358 Kerlin Dr, Granger IN 46530
Hospitality	---	Irene Ungurait	1267 Kinyon Dr, South Bend IN 46616
Educational	---	Gordon Dobecki	11900 Laughlin St, Mishawaka IN 46544 ..
Librarian	---	Paul Godollei	1910 Ribourde Dr, South Bend IN 46628
Historian	---	Ed Miller	3431 East 18th B Rd, Tippecanoe IN 46570
Sunshine	---	Molly Elwell	105 N Ironwood Dr, South Bend IN 46615
Display	---	Mary Miller	451 S Illinois St, South Bend IN 46619
Publicity	---	Dawn Cytacki	1606 E Madison St, South Bend IN 46617
Membership	---	All Members	

The Michiana Gem & Mineral Society, a non-profit organization, is affiliated with the Midwest Federation of Mineralogical and Geological Societies and with the American Federation of Mineralogical Societies.

Regular Meetings

Time: 2:00 PM EST	Place: Wesminster Presbyterian Church
4th Sunday of each month	1501 W Cleveland Road
June - Field Trip Meeting	South Bend IN
July - No meeting	just west of the St Joseph River
August - Annual Club Picnic	
December - Christmas Party	
(date to be announced)	

DUES

Individual	\$ 6.50 per year
Family	\$ 10.00 per year
Junior	\$ 2.00 per year

ROCKFINDER STAFF

Editor	Larry Hess	15358 Kerlin Dr, Granger IN 46530
Co-Editor	Margaret Heinek	7091 E East Park Ln, New Carlisle IN 46552
Staff	Bob Heinek / Club Members	

All contributions for publication should be in the hands of the Editor by the 10th of each month. (219 272-5431)

Permission is hereby granted to reprint, at any time, items published in the ROCKFINDER provided due recognition is given.

THE ROCKFINDER

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Number 7

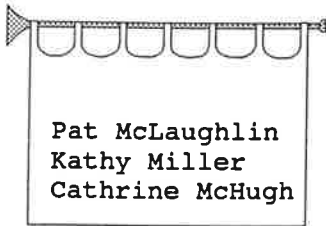
November 1993

Published by:
Michiana Gem & Mineral Society

Meeting: November 28, 1993
Doors Open 1:30 PM
Meeting at 2:00 PM

Place: Westminster Presbyterian Church
1301 E Cleveland Road

November Program:
MGM Show & Tell, Bring your best or favorite specimen to show us all.
(Or any other hobby related item.)



Hosts: Pat McLaughlin
Kathy Miller
Cathrine McHugh

November Birthstone - Topaz

The gem Topaz, hardness 8, is found in colors from yellow to brown, most being blue or white. It comes from Brazil, Russia, and U.S. mines. Most topaz is a variety of Amethyst.



Happy Birthday & Anniversaries

- 2 Bill Schuster
- 5 Dick Rosbach
- 8 Tom McLaughlin
- 17 Cheryl Milchak (Anniv)
- 27 Bess Wise
- 20 Cindy Hess



Calendar of Events:

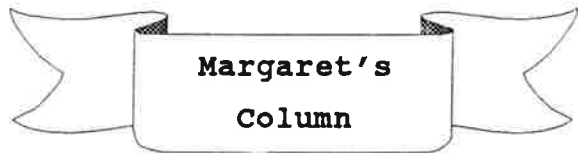


Nov 26-28 Geodon Gems - Christmas Show
DuPage County Fairgrounds
2015 W Manchester Rd
Wheaton, IL

June 25-26, 1994 MGAG Rockhound Seminar
Southwestern Michigan College
Niles Michigan
(313) 664-8985

1994 is just around the corner:

- April 8-10 California Federation, DelMar CA
- June 3-5 Northwest Federation, Ogden UT
- June 23-26 South Central / AFMS, Houston TX
- July 8-10 Rocky Mountain, Rapid City SD
- Sept 2-4 Midwest Federation, South Bend IN



**Margaret's
Column**

It is with regret that we announce the death of Joyce Larson, the former editor of the ROCKFINDER. Joyce passed away on Thursday 28 October 1993.

Already November! The year has gone by so fast. I sincerely hope it has been a good year for you and your family. Bob and I have been very busy. As some of you know, we attended the Eastern Federation Convention in Hampton Virginia, and celebrated our 50 anniversary at their banquet. They had a lovely anniversary cake for us, which we really enjoyed. One order of business at their Federation meeting was the formation of a possible new federation in the AFMS.

We then went to the AFMS show in Denver, and the new Federation was voted in. The AFMS now has seven federations. The new one, has been in existence, but not in the AFMS, is the South Eastern Federation.

The AFMS had asked for a dues raise. Twenty five cents of our \$1.00 dues each club sends, per member, per year to the MWF, goes to the AFMS. They had asked for a 75¢ raise, bringing their share to \$1.00. Each federation was asked to vote on this, and each one felt this was too much to raise the dues at one time. It was finally voted in that we will pay 50¢ per member to AFMS. Our club dues will not have to be raised because of the 25¢ raise. But we will now have to send to the MWF \$1.25 per member.

Wasn't that an interesting program Larry had for us in October? I understand there are 3 more episodes that he can get for us. I am sure Larry would like to know if you would like to see them.

Our Christmas party will be held at the Church on December 5th, and it will be a pot-luck dinner as usual. We will have a gift exchange, so be thinking about

something to exchange. Something you would not mind getting, and worth at least \$3.00.

This month will be election of officers, and Marie Crull is in charge of the selection of candidates. Come to the meeting this month, and if you do not agree with the committees selection, please feel free to nominate others, but get their permission before doing so.

SHOW COMMITTEES - Tom Noe will be the non-competitive chairman of displays. Please help Tom by letting him know what you will be showing at the September show. He will have to have a good idea of how many tables I will have to order for the displays.

Bob Miller is in charge of the competitive displays. How about many of our members entering competition? Both Bob and I will be more than glad to help you assemble a display for either non-competitive and competitive. But now is the time to start getting an idea of what you want to show, then this will give you time to make labels this winter. If you need to consult the Rules Book, one of us will be glad to loan you ours.

Our 1994 show theme is:

EARTH TREASURES...

SOUTH BEND HAS MORE IN '94

Earth Treasures was suggested by Bob Heinek and Kathy Miller had used the other at the MWF Convention. Both are good suggestions, and we will use both!

Meg Auth has volunteered to make a drawing that might be used for our pins. I am glad we are getting things done early, then our job will not be too hard later in the summer.

The Kiddies Corner will be chaired by Jess Zeiger and Meg Auth. They would like to have someone volunteer to assemble the "sand-box", if we do not get someone, we will not use it again.

Margaret



**SECRETARY'S
REPORT**

**MINUTES OF THE NOVEMBER 1993
MICHIANA GEM & MINERAL SOCIETY**

President Margaret Heinek opened our regular meeting. The September minutes were accepted as corrected: Chuck Collins is the dealer chairman for the fall '94 show, not the show chairman as printed in The Rockfinder. The treasurer's report was filed for audit. New members Janus and Dennis Horrall and guest Bruce Wolf were introduced.

Committee Reports

Program - Today's program will be the first part of a movie series entitled "Lost Worlds."
Education - Gordon Dobecki's next class will begin in early November.
Historian - Ed Miller brought in photos from an earlier meeting this year and photos and postcards from the MWF trip in Houghton this past summer.
Displays - Kathy Miller brought in some opal, boulder jewelry, amazonite and smokey quartz from Denver. Tom Noe brought in samples of materials from his Black Hills trips this past summer; Bill Crull brought in 4 bottles of opal; Meg Auth brought in fossils she collected in Jessup, Iowa; and Margaret Heinek brought in items from Denver.

Old Business

The bus trip to Indianapolis for Oct. 23 had to be cancelled because we couldn't get a bus. Margaret will look into the feasibility of a 2 day collecting trip for next spring. Larry Hess will report to us next month on the time he spends on the Rockfinder as well as pricing for a new copier.

New Business

Several people offered ideas for a theme for our '94 fall show. After some discussion, it was voted that we adopt "Earth Treasures" as our theme.

Chuck Collins is still trying to get a Smithsonian exhibit to help draw a larger attendance. Again, if you have any suggestions at increasing attendance, please let Chuck know.

We still need a special exhibits chairman for the fall show. Please let Chuck Collins or Margaret Heinek know if you'd be willing to accept this responsibility.

It was moved, seconded and passed to buy 150 plastic squares to put geodes on for place decorations for the fall show.

The St. Joseph County Public Library is hosting its Science Alive program on Feb. 5 from 10:00 to 4:00. We will need volunteers to man a table. Our display was very popular last year.

Marie Crull will assemble a nominating committee to work on a slate of officers for next year. If you are will to get involved and be an officer, please let her or her committee members know.

28 members, 1 guests, and 1 junior member were present. Door prizes were awarded to Alec Rubenstein, Sister Georgia, and Gordon Dobecki.

Respectfully submitted,

Pam Rubenstein

Michiana Gem & Mineral Society

Officer nominations for 1994
Submitted by Marie Crull and the nominating committee.

President: Margaret Heinek
Vice President: Ed Miller
Secretary: Pam Rubenstein
Treasurer: Meg Auth



Editor's Notes

This issue of the Rockfinder has some new material that I hope you find interesting. The most significant change is the Personal News column. I'd like to get tidbits each month to keep everyone informed, so please call me with inputs.

Just a few days ago, I read that a new processes was just discovered in the field of diamond coating. Specifically, it was a new low temperature way to deposit artificial diamond. If anyone reads anything about this process or how it might apply to lapidary work, please send it on to me for publication.

Well, I'll keep it short this month. Hope to see everyone at the November Meeting,

Larry

Joyce E. Larson

As Margaret noted in her column, Joyce Larson, past Rockfinder Editor, died on the evening of October 28, 1993. I first met Joyce a few years back in Mr. Dobecki's basement where we shared a rock cutting class. Joyce had just returned from a trip through the Northwest and had sliced a Thunder Egg into slabs. We spent some time looking at the slices, enjoying beautiful patterns. A kind and sensitive person, I remember Joyce most for her wonderful sense of humor. On the right are two of Joyce's favorite poems, for all of us.

COLLECTING ROCKS

I think that there shall never be
An ignoramus such as me,
Who roams the hills throughout the
day,
To pick up Rocks that do not pay,
For there is one thing that I've
been told
I took the Rock and left the gold..
Over deserts wild or mountains blue
I search for Rock of varied hue.
A hundred pounds or more I pack,
With blistered feet and aching
back,
And after this is said and done
I cannot name a single one.
I pick up Rock where ever I go
The reason why I do not know.
For Rocks are found by fools like
me
Where God intended them to be..

Anonymous

OLD MEMORIES

by James J. Metcalf

There are those special memories
We cherish through the years.
The most of them are happy ones
A few are touched by tears.

They all become more beautiful
The older now they grow.
And with age they take their place
As days of long ago

They are the pictures of the past
For which we sometimes yearn.
But which we know so well is gone
And which cannot return.

They have no market value in
Our commerce of today.
They are not even anything
That we can give away.

And yet those memories can play
A most important part.
As they inspire or console
Or otherwise help the heart.

- via The Southwest Gem, and the
files of Joyce Larson.

ANOTHER PAIR OF EYES

by Thomas S. Warren

It's strange how we live with something every day of our lives yet seldom know it exists. This article will explain the little known form of energy that surrounds us every time we go out in the sunshine.

It is a form of energy that our eyes don't see. They almost see it but not quite. We are familiar with the fact that sunlight enables us to see because every object reflects some color. Actually, every color in the rainbow is in sunlight. When sunlight is passed through a prism we see the colors red, orange, yellow, green, blue, and violet. Each color is caused by a different wavelength. Every object we see is reflecting light.

There are also invisible wavelengths longer and shorter than the visible rays. The wavelengths longer than the visible rays are called infrared. The infrared rays are penetrating heat rays commonly used in cooking and heating. Infrared rays must be used in moderation as too much heat is not only uncomfortable but detrimental if prolonged.

The invisible wavelengths that are shorter than the visible rays are called ultraviolet rays. These rays have no sensation of heat. Ultraviolet rays are beneficial to us in many ways, but like infrared rays, must be used in moderation. Ultraviolet rays cause sunburn, form vitamin D in the body and aid in the assimilation of many food minerals. However our present interest is to be sure ultraviolet rays are safely used so we can enjoy the fluorescence they create in our mineral specimens.

The chief difference between these two types of invisible rays is that we feel the heat of the infrared rays and this guides our use of it. With ultraviolet rays, which are often used in tanning beds, we have no such guide. We do not know how much sunburn we are getting until it appears several hours after exposure. So the basic

rule in using ultraviolet light is to begin with a very short exposure which can be increased gradually and the results will be beneficial.

The world of visible colors is between 400 and 700 nanometers (nm). A nanometer is a unit of measurement like yards and inches, only far, far smaller or shorter. In fact, a nanometer is less than one-millionth of half an inch. In other words the distance between wavelengths is so short that most of us cannot even imagine the presence of such a wavelength. However, we must use the nm figures for reference purposes.

The shortest wavelength the average person can see is about 400 nm, and the shortest wavelengths that reach sea level on earth are about 300 nm. Any wavelengths shorter than 300 nm are screened out by the upper atmosphere.

Ultraviolet wavelengths between 350 nm and 400 nm are considered longwave ultraviolet rays and are often called blacklight. These wavelengths cause fluorescence of the eyes, teeth, fingernails, clothing, and many household objects. A few minerals also fluoresce to the long ultraviolet wavelengths.

The shortwave ultraviolet rays are shorter than rays from the sun, but can be secured in special lamps. These shortwave lamps must be used with caution, the same summer sunlight. For the mineral hobbyist the main caution is not to look into the shortwave lights for longer than short glances. Prolonged exposure will cause sunburned eyes which are very unpleasant and distressing while the sunburn lasts, but the misery is short term and apparently has no after effects. On the other hand, you can enjoy fluorescence from your shortwave ultraviolet lamp for hours providing the lamp is directed to the minerals and not to the eyes.

Ultraviolet wavelengths are often called actinic rays because they have the energy to produce chemical changes. To the mineral hobbyist the change that creates

fluorescence is the most interesting. Fluorescing minerals are beautiful, fascinating and when seen for the first time the effect is magical. Fluorescent minerals have colors you didn't dream were there. However the beauty one sees while minerals are fluorescing is entirely a surface reaction. What causes the change? Why don't all minerals fluoresce?

**Michiana Gem & Mineral Society
Membership Roster Update.**
(New members, renewals, roster errors, address changes, etc.)

Jim & Sue Moffitt
PO Box 663
New Carlisle IN 46552

Personal News

Molly received a nice letter from Tess and Delton Miller in Elkhart. Delton still suffers from the effects of the stroke he had in 1992. They enjoy visitors, but call first. Their number phone number, 293-3374, was incorrect in the Roster. Thanks for the letter, Tess.

Thanks also to Les Wilson for his letter regarding the show demonstrators. Mr. Wilson enjoyed demonstrating his micromounts and his efforts are appreciated by all of us.

We received a fantastic package of instructions and materials from Ed Benjamin on the printing of photos in club bulletins. Ed is editor of Arrowhead News in Michigan. Thanks to Ed, photos will be a welcomed addition to the Rockfinder in the near future.



Have a nice
Thanksgiving!

End of Part 1, edited to three parts.

- From Lizzadro Museum Bulletin, 9/93.
Reprinted with permissions of the author and the Lizzadro Museum.

Thomas S. Warren founded Ultra Violet Products Inc., in San Gabriel CA in 1932. An honorary member of many mineral clubs, Mr. Warren has recently co-authored Ultraviolet Light and Fluorescent Minerals, 1993.

*For the Just for Kids - October
CRYSTAL FORM Wordsearch*

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The happiest people
don't necessarily have the best of everything
but they make the best of everything
they have.

-- Flint Flashes 11/93

Member Profile #3 by**Paul Godollei**

I was born in South Bend, in 1919, the son of Hungarian immigrants who came to America when they were children, met here and were married. My early education was at Muessel Elementary School, Central High School and the University of Notre Dame. In my second year at the School of Architecture I was drafted into the US Army. In 1942 I went to Engineer's training after starting as an infantry private. I served in New Guinea and Philippines and came home a First Lieutenant after four years in the jungle.

In 1947 I finished my Architecture courses at Notre Dame and graduated with a BS in Architecture. I obtained my Indiana Architects license in 1950 and my Michigan and National Registration a year later. I worked for an architectural firms in South Bend for a year, in Cincinnati Ohio for two years, back to South Bend for another year, then over to Elkhart for eleven years, LaPorte for a year and, finally, to Cole Associates in South Bend for seventeen and a half years. I am semi-retired and still do consulting work.

During my career I was chief Architect and Project Manager of several local projects, including Northside Hall at IUSB, Dickinson and Edythe Brown Middle Schools and the downtown Post Office. as well as hospitals, churches, shopping centers, restaurants, swimming pools, banks and schools.

While in Cincinnati I met Lois Tenbieg, and we were married in 1949. When we moved back to South Bend we lived in a small home on Kaley Street. By the time we had three little girls a larger place was necessary. I bought some beautiful property on Pinhook Lagoon and built our new home with help from my cousin and his son. Another girl and a son were born

there.

My wife Lois was an Art Teacher and an Artist and won the Teacher of the Year award in 1987. She died suddenly in November of 1988. Since then I met Margaret Schultz, we have become good friends and we have many interests in common.

My Children are now grown, four are married and I have three grandchildren. I have been a past Scoutmaster in the Boy Scouts of America, am a 4th degree Knight of Columbus, a member of the VFW, the American Legion and the Northern Indiana Historical Society. Professionally, I am a member of American Institute of Architects and past president of the South Bend chapter of the Construction Specification Institute. As a member of the Corpus Christi Catholic Church, I've served as an usher and commentator.

My fossil collecting started in 1956, mostly from the Cincinnati, Northern Kentucky, Southern Indiana and Northern Illinois areas. I have an extensive collection of fossils and minerals, mostly of Ordovician age and donated my collection of over a hundred fossil cephalopods from the Monon quarry to the Indiana State Museum.

While working in Elkhart I joined the Elkhart Mineral Society and met Dale Douglas who taught me a lot about fossils. From then on I was a confirmed rock hound. When work brought us back to South Bend I joined the Michiana Rock Club, which is now the Michiana Gem & Mineral Society. Currently, I am the Club's Liaison Officer and Club Librarian. Presently I conduct a class on fossils at my home with six club members attending.

I have received numerous awards for my displays and have given lectures on fossil collecting as a hobby to the Boy Scouts, school children and at club meetings. For more than twenty years I have written articles on fossil collecting and

regularly give demonstrations on fossil cleaning at the annual shows.

Good fortune let me obtained the entire fossil and mineral collection of Clement Studebaker. Presently I am getting it ready to donate to the local Studebaker Museum.

In addition to fossil collecting I like to read, take photographs, look at the stars and planets with a telescope I built, paint water colors, walk and travel.

FOSSIL CLASSES

The Second fossil class for this season was held at the home of Paul Godollei, the instructor at 10:00 am on November 6th. The subject was Cephalopods and a review of Paul's collection. Five members attended.

Tom Noe displayed cephalopods he collected from the Badlands.

The next fossil class will be held on November 20, with plant fossils as the subject. There is a fee of \$3.00 for the six sessions. To join, call Paul at 272-9705 or sign up at the next club meeting.

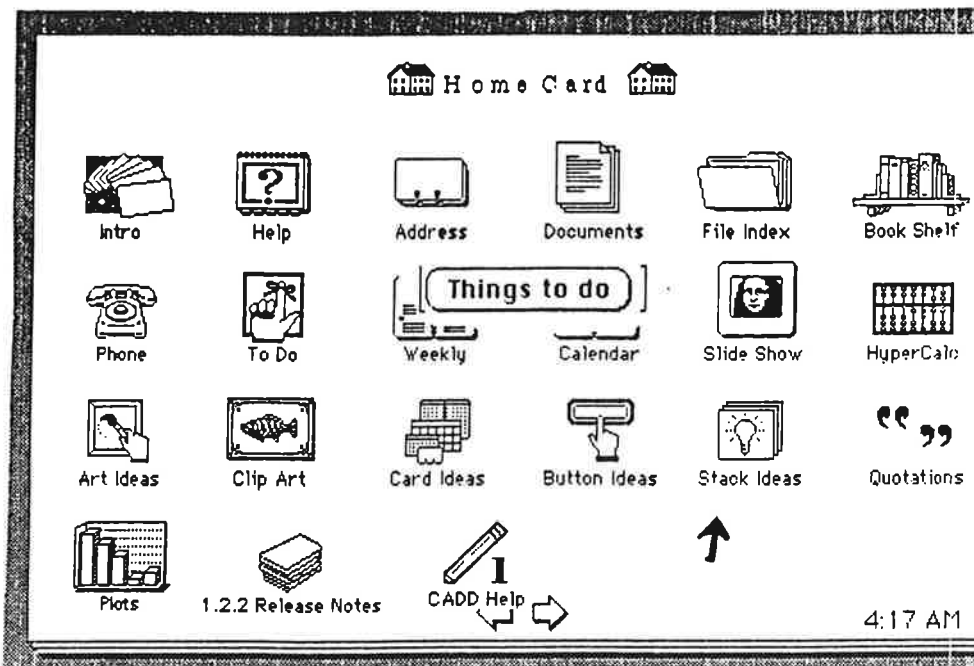
Computerizing Your Collection - Part 1

by Paul Godollei, Michiana Gem & Mineral Society.

Don't let the title of this article frighten you. It is relatively easy to put your collection on index cards with a computer, whether it's a stamp collection, fossils or rocks and minerals.

I happen to have an Apple Macintosh SE computer with an Imagewriter II printer, so that is what I'll use for an example. I use several programs, including Microsoft Word and Hypercard, that are stored on my internal Hard Drive. The Mac also has a 3.5 inch floppy disk to keep programs on.

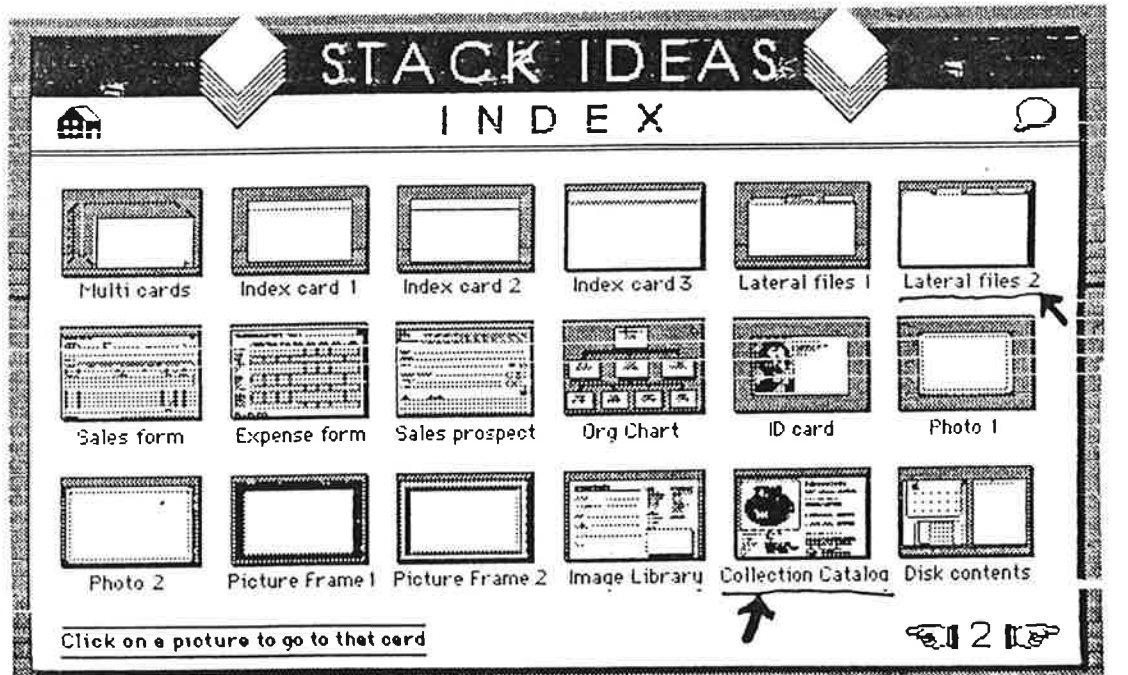
I decided to switch from 3 by 5 index cards to the computer's 4 by 5 cards since they are easier to read and hold more data. While using Hypercard, I discovered Stack Ideas shown in the figure below.




Computerizing Your Collection - Part 1 continued


The top figure, below, shows the *Stack Ideas* index and two interesting items, *Lateral Files 2* and *Collection Catalog*. Either may work but I chose the *Lateral Files 2* for my work. Examples of both programs are shown at the bottom of the this page.

In Part 2 of the series I will explain the next step in setting up your files.



Lateral Files Card



Collection Catalog 

Date Purchased: 5/13/78

Place Purchased:
Denver, Colorado

Purchase Price: **\$405.00**

Current Value: **\$650.00**

Other information:
**used as ceremonial urn,
small tear at bottom**

Sales Slip Location:
Under "Investments"

Dimensions: **12" x 16"**


Weight: **3 lbs.**

Material: **Yampi grass**

Color: **Brown/Blk./Red**

Age: **1886-1890**

Collection Catalog Card





Starting in January there is a strong possibility kids (no older kids please) who solve the puzzles will receive a special prize at the upcoming meeting. This also means the puzzles will get a little tougher, ha ha ha!

For this month try to first unscramble the birthstone names and then find each one in the word search puzzle.

Birthstone Search

AAEUQNRMAI _____

DAINDOM _____

DMAELER _____

ENRGTA _____

ERPAL _____

HESIRPPA _____

OAPL _____

OEPTDIR _____

RYUB _____

TOAPZ _____

TSATEMHY _____

USOIQETRU _____

Y C U D U P Z E T C I L

X B E S I O U Q R U T V

N F U W L V W V P O A J

E N I R A M A U Q A D D

S K A T M E L V L F M I

A E G O E G A R N E T A

P E E D T M L Z D U Q M

P Z C I H I E I L A P O

H B V R Y X H R N S V N

I A K E S S Y S A N T D

R L I P T O P A Z L O Q

E Q D A K L D U U O D E

EARTH TREASURES . . .

SOUTH BEND HAS MORE IN '94 Show and MWF Convention Update

Smithsonian Exhibit Request - We are scheduled to obtain the Smithsonian's American Gemstone Collection that consists of fourteen pieces of jewelry set with outstanding gemstones from North America. The loan application forms and facility report were returned to the Smithsonian on November 9.

Museum Displays - Displays will be requested from the following (and possibly other) institutions:

Seaman Mineralogical Museum
Lizzadro Museum of Lapidary Arts
Cleveland Museum of Natural History
Indiana State Museum

Dinosaurs Alive (coordination) - A fossil exhibit is being planned for display at the Studebaker Museum and bookmarks (free student admission tickets) will be given out. The bookmark will include a prize ticket portion for entry into a fossil fish drawing.

Retail Dealers - Floor plans are developed for thirty dealers. At this time twenty one contracts have been sent out and seven new dealers have confirmed.

Significant plans are in place for show packet mailings, event menu selections, advertising, security, demonstrators and program speakers.