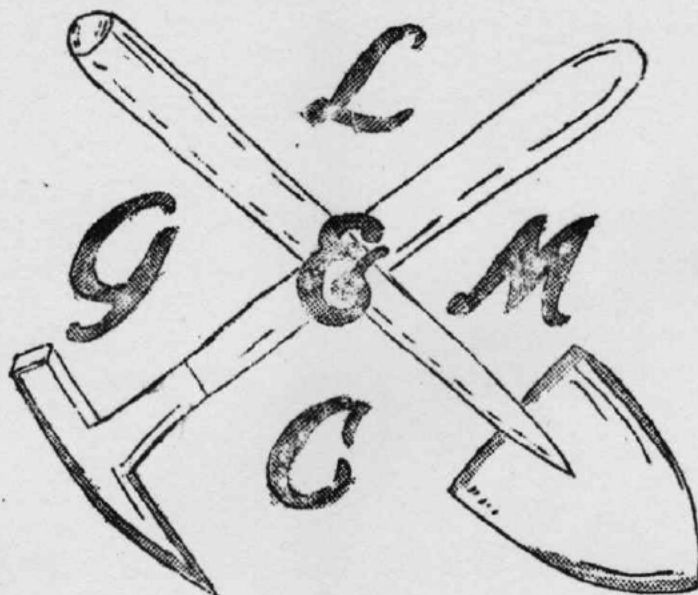


THE PICK & SHOVEL



MONTHLY BULLETIN OF THE
LINCOLN GEM AND MINERAL CLUB, INC.
LINCOLN, NEBRASKA

THE PICK AND SHOVEL

LINCOLN GEM AND MINERAL CLUB, INC.

President. = Mrs. V.A. Carveth
2526 South 11th St.
First Vice-president Thomas Simmons
2970 South St.
Second Vice-president. Everett Weber
5310 Colby St.
Recording Secretary. Mrs. Phyllis Parks
3510 Everett St.
Treasurer James Parks
3510 Everett St.
Corresponding Secretary. Mrs. Dorothy Engelhart
4130 Witherbee Blvd.
Historian Mrs. Maurice Tracy
3600 South St.

* * *

MEETINGS - FOURTH SATURDAY - SEPTEMBER THROUGH MAY
Roberts Dairy Party Room - 211 So. 20th St.

* * *

Affiliated with :

Midwest Federation of Mineralogical and Geological Societies
American Federation of Mineralogical Societies

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BULLETIN EDITOR - Mrs. Velma Bloyd
2818 North Cotner Blvd.
Lincoln, Nebraska

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T H E P R E S I D E N T P A G E

Dear Fellow-members;

At our January meeting we enjoyed a very interesting program presented by Rev. and Mrs. Heim. We appreciated the attentive audience and our programs planned for the future, I am sure will be just as interesting.

We are enjoying our second year at the Roberts Party Room and our social hour after the meetings is enjoyed by all.

Remember also to keep in mind our club house we are planning for and would enjoy having, and hope in the future to have. We shall have a mail ballot and a special meeting on this in the future.

The date have been set for the 5th annual show, September 28 and 29 1963, at the National Guard Armory. Tom Simmons is contacting the dealers and has begun his correspondence on this. So we all shall start making our plans for a bigger and better show than ever before.

V.A. Carveth is the show chairman and shall name his committees. Everyone will have a job to do and if you are un-intentionally missed please call your show chairman.

We the executive board are your club representatives, this is our club, all of us, and we enjoy the wonderful co-operation from so many of you.

Sincerely

Marie J. Carveth



SATURDAY - FEBRUARY 23, 1963

Regular meeting - 7:30 p.m.

Program - a talk on biology will be presented to us by Mr. George Schildman, State game commission. This will be an interesting talk to anyone who is interested in field trips.

Robert's Dairy Party Room
211 South 20th Street

* * *

REFRESHMENT COMMITTEE

Mr. and Mrs. Ewald Paul
Mr. and Mrs. Frank Krejci
Mr. and Mrs. James Parks

* * *

EVERETT LAPIDARY SHOP

2941 North 65th Street

Lincoln 5, Nebraska

Phone 466-6204

FINDINGS

ROUGH SLABS

FLUORESCENTS

MACHINERY

MINERALS

Our latest offerings are OUR very own shoulder patches of the Lincoln gem and mineral club

prices:

50¢ each

3 or more 45¢

Also have small pick and shovel mounts for tie clasps and pendants.

Our 8th year as Capitol City's First Rock Shop

SATISFIED CUSTOMERS ARE OUR BEST ADVERTISEMENT

INTERVIEWS

This is an extremely busy season at the University of Nebraska so our interview for the month is by mail. Upon reading Adeline's submission to us, we decided to print her answers to our questions (given to her over the telephone) as she wrote them. Adeline joined the Lincoln Gem and Mineral Club, Inc. in September 1960 and in March 1962 she joined the Colorado Mineral Society.

"When I was a child, Mother found my pockets were always stuffed with stones which I collected but never seriously saved. The Gibson's who were in my jewelry class, interested me in going to a show. I went to my first gem and mineral show which was our club's 1959 show and became interested in stones. Started my present collection in September of 1959.

Maurice Tracy was my first lapidary instructor and John Lewis, my second instructor. I do not have a favorite stone. Anything that is beautiful pleases me. Being a slow cutter and polisher, I'm not experienced in cutting a variety of material. At present my favorite cutting material is Montana Agate which takes such a high polish and for its durability. I have never cracked a stone from overheating and believe in our friend Guy Miller's advice, "Perhaps it took millions of years for the stone to form, so why be in a hurry to polish it."

My favorite pieces were my silver pendant with fused silver scaps mounted on a silver back-plate and my silver pendant with the bird of paradise agate mounted on it. However, I have since made some fused silver pendants and ascot tie studs, tooled and hammered silver cuff links, an enameled pendant, earrings and bracelet set with fused silver trim and a silver necklace with an emerald mounted on the pendant which I believe are well designed and can rate with the two pendants which were my favorites. Silver work and copper enameling are more interesting to me than the lapidary work because of the flexibility of the materials, and because it permits me to express artistic ability.

Some form of art expression has always been a habit with me since I was about 3 or 4 years old. A professor in my department, Engineering Mechanics, at the University of Nebraska, where I am employed, took a course in Problems of Jewelry Making here at the University under Mr. Donald Hazelrigg. Being intrigued I decided to take a course under Mr. Hazelrigg, starting in September 1957 after the death of my mother and being in the class at various times for 8 semesters until June 1962 when he left the University.

In designing jewelry, let the design compliment the shape of the stone or the design patterns in the stone. Avoid the use of beaded bezels or twisted wire around the bezel which tend to give a commercial appearance. Be different."

Adeline E. Nolde

SAVE YOUR STAMPS

SAVE your cancelled stamps. Did you know that one cancelled U.S. Commemorative stamp, in good condition, will provide 18-3/4 glasses of milk, or its equivalent in food, for hungry children in foreign lands. That is right --- 18 - 3/4 . Sounds fantastic doesn't it? But it is true. Foreign stamps and U.S. stamps other than the common 1¢, 2¢, 3¢, or 4¢ ones can also be used.

Ye Old Timers Mineral Club has a project the collecting of these stamps, turning them over to a World Wide Church Organization, which handles their sale and uses every cent derived to buy milk and food at extremely low prices, and supervises its distribution, paying all the overhead themselves.

Let's all get behind the Old Timers and send our stamps. Cut out stamps, leaving a small border ($\frac{1}{4}$) around the edge. Do not tear them off. It costs absolutely nothing and it can provide milk and food for youngsters who seldom have enough to eat.

LET'S SWAMP ELROY WITH STAMPS





ROCKY NUGGETS

Dick Hedges invited past mineral class members to geological map study class, Sunday evening, February 3rd. Roger Pabian was the instructor and lecturer. Those attending the well planned evening were the Engelharts and Lloyd Lederer.

Maurice Tracy has added three cabochons to the "Gems on Location" map. Black Palm wood from Texas, Moss Agate from Texas and Lavic Jasper from California. It is wonderful to have the ole master craftsman back at work in his shop once again.

Phyllis and Jim Parks have donated a new felt pad for our bulletin duplicator. May we take this space to say Thank You.

The F. S. Langes have just returned from their trip to Hawaii. In the future perhaps we will have slides and a talk on their recent trip. It should prove to be a most interesting evening.

In two months we have lost two of our members. Tom Dodson and George Wilson have both passed away. Our sympathy to the families of both men.

If you have moved or changed your telephone would you please contact your bulletin editor, Velma Bloyd. If you are not getting your bulletin on time perhaps it is because your address is incorrect.

The town of Adams, Nebraska has had to take over an old school house there so that they could have a library for the town. Irl Everett has donated two books to them, The art of Gem Cutting by Dr. H. C. Dake and rocks and minerals.

The fifth and sixth grade at Pershing School are studying Rocks and Minerals. Velma Bloyd was asked by Pershing school to place cases in a room so that the children could see them to study by. The Lewis's, Engelharts, The parks, Heedick and Tom Simmons put material in for the study project. Many offered their material and services. Our "Gems on Location" map was also on display.

If you have news, call us or we will be calling you.

Dorothy Engelhart IV8-5383

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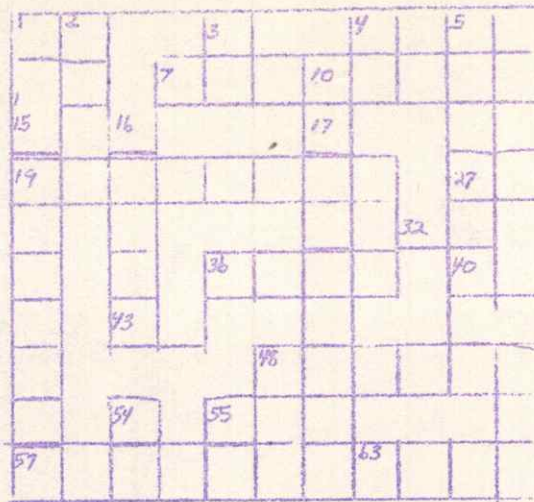
ANSWERS TO CROSSWORD PUZZEL.

Across

1. PT 3. B 4. Ø 5. P 7. Petoskey 19. Amethyst 27. AS 32. AL
36. Jade 40. LI 48. Jasper 57. Nickel 63. Lead

DOWN

2. TH 3. BE 4. OS 5. Petalite 10. Obsidian 15. Fairburn 16. Pearl
54. SG 55. HE

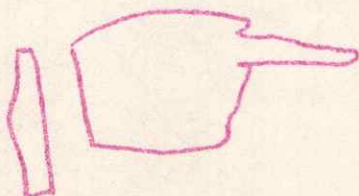


ACROSS

1. Chemical symbol for Platinum.
3. Chemical symbol for Boron.
4. Chemical symbol for Oxygen.
5. Chemical symbol for Phosphorus.
7. Petrified coral found in Michigan.
19. Birth stone for Feb.
27. Chemical symbol for Arsenic.
32. Chemical symbol for Aluminum.
36. Chinese do carving with this rock.
40. Chemical symbol for Iridium.
43. Chemical symbol for Lithium.
48. 1963 Orange Bowl Queen.
57. Five cents.
63. Galena.

DOWN

2. Chemical symbol for Thorium.
3. Chemical symbol for Beryllium.
4. Chemical symbol for Osmium.
5. Name is from a leaf alluding to the cleavage.
10. Glassy rock which is volcanic.
15. A fortification agate.
16. Only gem that is not a mineral.
54. Chemical symbol for Scandium.
55. Chemical symbol for Helium.



Due's Are Due

SILVER WORKING TIPS

by

Adeline E. Nolde

Some helpful hints concerning jewelry making are as follows:

Cleanliness is one of the most important factors. Wash your hands (it sounds funny, and face) with soap (lava) before you start handling your material. Wash your hands and pieces after you emery and file them. Wash your hands and pieces with soap and water very well after you polish them with tripoli on the buffing wheels. If you go from the tripoli wheels to the rouge wheels without washing your hands and pieces, the rouge wheels are ruined for final polishing.

(If you have done plenty of emery work with emery papers, course to fine, the buffing goes easily. Don't be in a hurry.) Tripoli removes scratches and rouge which is finer removes the finer scratches. After buffing with rouge, wash your hands and pieces with soap and water. Reviewing the above: Grit from files and emery work on your hands and pieces ruins the tripoli wheels; tripoli polish ruins the rouge wheels; and finally the pieces must be clean before they are soldered.

Never touch your face with your hands. Skin oil which has acid in it tarnishes pieces and will interfere with soldering. In soldering silver the entire surfaces of the pieces being soldered together must be hot enough to melt the solder or the pieces will not stick together, the solder will not melt, or the solder may melt on to one piece in place of all pieces being soldered together, or the solder might ball up. Cut tiny pieces of solder and tuck them up close to the pieces being soldered. Use liquid flux with silver solders (hard, medium and easy) since sometimes you perform several operations. Start the first operation with hard solder. If you used easy first and wanted to perform three different operations, the part you soldered with easy would come unsoldered. Lead (soft) solder is used only in soldering findings such as earscrews, tie clips, etc. to the backs of your finished pieces.

After soldering the pieces with silver solder they are cleaned in acid (sparex) diluted in water. This turns the pieces white but after washing them in water and drying them, final buffing on the rouge wheels or hand buffing using rouge will brighten them up. Never use steel tweezers to remove the pieces from the acid. They will tarnish the silver. Use copper tongs to remove silver and copper pieces from acid. The acid should be in either a copper pan or a pyrex sauce dish with a handle. It is heated with the pieces in it just to the point of steam raising from it. NEVER BOILED.

A SMALL CRAFTSMAN LAPIDARY SET, complete with saw, grind stones, 2 laps (one metal) , polishing wheels, motor with numerous rocks, grit and compound is for sale. Saw on this set has never been used. Anyone interested please contact

Sally Heald, 2435 South St.
Lincoln, Nebraska

International

BORDER GEM FIESTA1963 Annual Show
Fact Sheet

- DATE: March 1, 2, 3, 1963
- PLACE: McAllen Civic Center,- South 10th Street, McAllen, Texas
- TIME: March 1-2 -10:00 AM - 10:00 PM
March 3 -10:00 AM - 8:00 PM
- ADMISSION: Adults, 50¢ Students and children under 12, 25¢
children under 7, free. All children under 12 must
be accompanied by a responsible adult.
- SPONSOR: Magic Valley Gem and Mineral Society, Inc.
d/b/a/ Border Gem Fiesta
- IN GENERAL: This time of year will be the height of winter tourist
activity in the Rio Grande Valley Metropolitan area of
450,000 people. In addition, there will be approximately
50,000 winter tourists in this area. We expect a large
attendance for this show. This building in which the show
is held is modern and comfort conditioned.
- HUNTING AREAS: matehuala area - enchanting old ghost town
silver mine of Real Cortce
Dolores Copper mine
San Luis Potosi area - fire agate and topaz
Opal Mines of Queretaro
- COSTS: REGISTRATION FEE - \$17.60 per person; This pays for your
guide fees, mine rentals, and admission fees for the
6 days of hunting, and transportation off the highway
where it is impossible to take your car.
MEXICAN TOURIST CARD - \$3.00 per person. At the border, the
cost is \$3.20. There of you near a Mexican consulate
can obtain your card there.
CAR EXPENCE - The best grade gas costs approximately .32¢
Approximately distance from McAllen to Querretaro is
600 miles.
FOOD COSTS - Prices of meals in restaurants in Mexico will
be about the same as in the U.S. on tourist routes.
- CLOTHING - Temperature this time of year in Mexico will be 50 degree
at night and 80 - 85 degrees during the day.
Sweaters and jackets that can be removed during the day.
Slacks for ladies on hunting field trips- Please when you
on the streets of their towns, wear a dress or skirt.
- WHAT TO BRING: Proof of citizenship; birth certificate, passport
or sworn affidavit.
car title - your registration papers
Vaccination certificate - showing small pox vaccination
within the past three years. Tetanus shot
Car ice box - When traveling in Mexico, We always take a
supply of drinking water with us. At the better motels
and hotels you can get pure water by asking for it.

BORDER GEM FIESTA
(continued)

Never drink water in Mexico that comes from a tap. You may carry fruit and vegetable juices.

Hunting Gear - rock pick, chisel, rock bag and possibly a box for packing your loot to bring home with you, boots or field shoes, and of course field clothing.

CAR INSURANCE - Your domestic car insurance is not good in Mexico. We made arrangements with Sanborns to write your insurance and have it ready for you when you get here. By filling in a form and sending it to us with your registration.

DEPARTURE DATA - A schedule and map will be handed you at time report in.



Choice Slabs

Cabochons

Rough Cutting Material

CLYDE BENHAM

1711 Harwood

GA3-4163

Used Motors

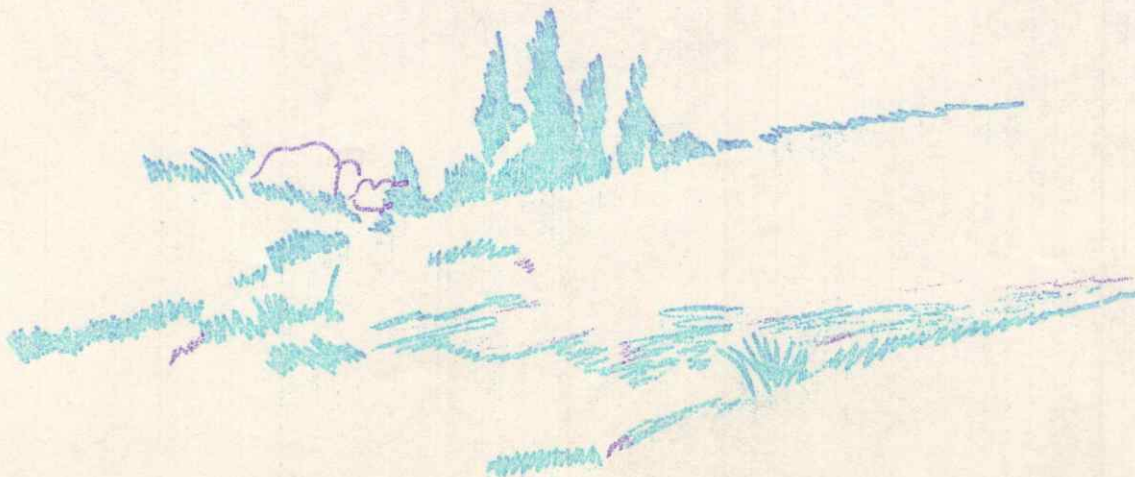
Lapidary Equipment and Supplies

* * *

/There are two cameo shells to be found in American waters, the Yellow Helmet and the Black Helmat.

To cut a cameo, cut out the size or shape that is round, square or oval, then mount on wooden blocks, then carve the top layer, then the rest of the layer is cut away so the under layer becomes the background for the raised figure.

* * *



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

GEM MATERIALS AND
MINERAL SPECIMENS IN 1962

PLEASE ANSWER ALL PERTINENT QUESTIONS AND IF NECESSARY, ESTIMATE THE FIGURES. RETURN THE FORM AS PROMPTLY AS POSSIBLE.

Check the boxes most closely relating to your mineral interest:

- (a) Individual collecting, primarily as a hobby
- (b) Individual collecting or mining commercially
- (c) Dealer engaged primarily in buying and selling gem materials and mineral specimens
- (d) Mineralogical Societies

INSTRUCTIONS:

- (a) Under "UNIT OF WEIGHT" report whether carats, pounds or short tons.
- (b) Under "VALUE" or "COST" report actual figures when available. ESTIMATE value of material placed in private collections.
- (c) Under "LOCATION OF DEPOSIT" report city, town, village, and/or highway, river, mountain, or other physical feature nearest deposit.

1. DOMESTIC GEM MATERIALS and/or MINERAL SPECIMENS COLLECTED OR MINED

Kind of materials	Source			weight	quantity	value
	State	county	Location of deposit			

2. DOMESTIC GEM MATERIALS and/or MINERAL SPECIMENS PURCHASED

Names & address of major suppliers	Kind of materials	location of deposit	unit of weight	quantity	value cost

Please reply to the questions of the back

3. ADDITIONAL INFORMATION:

(a) Please give the names and addresses of any new collector, producers dealers known to you.

(b) Do you know of any developments that occurred during the year, such as

- (1) Discoveries. give locations
- (2) New methods of collecting.
- (3) New machinery or processes used in mining or developing.
- (4) New methods of cutting, polishing, or processing.
- (5) New uses of gems or gem materials.
- (6) New developments affecting consumption.
- (7) Further remarks concerning the Gem Stone industry.

4. Reports containing final annual statistical information for gem stones are published in two forms- Commodity (covering domestic and foreign data for gem stones) and State (covering all mineral commodities in a geographical area). If you desire a copy of one or both of these reports please check the appropriate boxes.

commodity state

MIDWEST FEDERATION
LETTER OF MONTH
For: February 1963

Subject: A proposal
By: Ben Moulton

Dear Fellow Rockhounds;

A short time ago, the writer sent a proposal to Bernice Rexin, our president concerning the possibility of developing for club use a series of Kodachrome slides on various aspects of mineralogy. The slides would be divided into seven sets of about 35-60 slides each as listed at the close of this letter. The slides could be used for club programs but could also be used for information and instructional purposes for small club groups. This second use might be the principal use of most of the series.

The source of the slides would be from club members who would loan to the Midwest Federation the slides. If they were selected they would be duplicated and the original returned to the owner. In use, the authorship of each slide would be acknowledged. A guide book for each series would be prepared.

The slides would represent material and items from the midwest where the remoteness to the individual would not be so great.

So many clubs seem to have one or more members that combine rocks and minerals with photography. To put their results together would seem well worth while. If there are such that have slides and features. listed, I hope each willing to loan slides or even one slide would write me first so that I can give them further details on how we will handle the slides here to insure their safety.

The proposed list of films or slides is:

- A. PROPERTIES OF MINERALS
for example slides showing;
color (fluorite, tourmaline)
luster, cleavage, crystal shap, etc.
- B. METALLIC MINERALS
Galena, sphalerite, cooper, pyrite, etc.
- C. NON-METALLIC MINERALS
Gypson, halite, mica, etc.
- D. MINERAL FAMILIES
As many pictures of different kinds of quartz and
Calcite as available.
- E. MINERALS FOR THE LAPIDARY
Pictures of slabs of rock or various types
- F. MINERAL SITE TYPES IN MIDWEST
Pictures of quarries and especially minerals in
position in quarry wall, location needed
- G. TECHNIQUES OF COLLECTING, CLEANING, LABELING, DISPLAY
Pictures of good collections

Sincerely

KNOW YOUR FEDERATION

Some month's ago Celia Vokoun wrote in the Rear Trunk (Nebraska Mineral and Gem Club), " Why should we stop with Know you Federation? Shouldn't we know a little about the other Federation, our neighbors who make up our national organization?" We're following up that thought under the title she suggested, KNOW YOUR NEIGHBORS.

The best way to know one's neighbors is through their publications, the official communications they send out at certain intervals. They may be chatty or formal, printed or mimeographed, mailed first class or bulk rate, but from everyone we learn of the goals toward which they are working, their pains and hopes and accomplishments.

Take the Northwest Newsletter for instance. It was begun in June 1962 under the direction of Bob Hagglund, who was the NW President at that time. A great deal of planning has gone into the arrangement of material, etc. so that it will be easy to read, to file, to refer to. The pages are punched for a three ring binder. Few clubs own a filing cabinet, but it is simple and convenient to add the issues to a loose leaf notebook. This is a permanent as well as portable record.

Each subject goes on a separate sheet and can be distributed to the proper committee chairman for his manual, so in addition the master file, every division can build up a complete record on a given topic.

The Northwest Newsletter has proved to be a most satisfactory and effective method of keeping everyone aware of what he's getting in the interests and educational aims of the hobbyist.

The Canadian Rockhound is the official magazine of the Lapidary Rock and Mineral Society of British Columbia, a group of 20 federated clubs in that Canadian Province. The directory in the November 1962 quarterly issue list 17 other Canadian clubs also. The articles are about people, places and things and we enjoy everyone of them, but this one we'd like to reprint for you:

OSHAWA CLUB COMPLETES MAMMOTH PROJECT members of the Oshawa (Ontario) Rock and Mineral club recently completed a project which has involved a lot of work. They have supplied a collection of mineral specimens hand size, to every school in Oshawa that carries grade seven and eight a study of rocks and minerals has recently been incorporated into the Ontario school curriculum. The cabinets, twenty-five in number, have been set up according to Dana's classification and space has been provided for later additions. Also, pertinent information on the specimen was included in each cabinet.

In 1961 We asked for help from the regional secretaries, asking they furnish to us gummed labels for their federations, just prior to each mailing date. This plan worked wonders in cutting down on undelivered bullitins. We now say a long overdue and fervent THANK YOU to the secretaries for the regional federations. Without their help it would be impossible to mail this bullitin on time and to the right people.