

Alabama Archaeological Society

UNIVERSITY OF ALABAMA P.O. BOX 6126, UNIVERSITY, ALA. 35486

BIRMINGHAM ANTHROPOLOGICAL SOCIETY
CHATAWATCHEE CHAPTER
CLAMAN COUNTY CHAPTER
EAST ALABAMA CHAPTER
HUNTSVILLE CHAPTER
MARSHALL COUNTY CHAPTER
MAUVILLA CHAPTER
MONTGOMERY ARCH. SOC.
MORGAN-LIMESTONE CHAPTER
MUSCLE SHOALS CHAPTER
NOCCALULA ARCH-SOC.
SELMA ARCHEOLOGICAL SOC.
TUSCALOOSA CHAPTER

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STONES & BONES NEWSLETTER

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DEC 29 1967

MEMBER OF THE EASTERN STATES ARCHEOLOGICAL FEDERATION

A MESSAGE FROM YOUR NEW PRESIDENT

It is with considerable pleasure that I assume the role of President of the Alabama Archaeological Society. I regard it as a privilege.

Among my responsibilities as President, I feel that among other things, I must get out and meet all of you. At the Annual Meeting, I put it this way: "I would like to participate in your programs, invite me and we will set a date. It will not cost your chapter funds a penny."

Beside wanting to meet you all personally, I have another set of reasons for wanting to do this. There appears to be some disenchantment among some of our members concerning the organization, its programs or perhaps with archaeology in general. Aside from the few individual cases of personality conflict, there are specific causes for activity lack, indifference, low membership and, as one member put it: "simply falling apart".

One answer or solution to this problem is the adoption of a firm direction in each chapter. An organization involved in the serious business of interpreting the past cannot survive on coffee and doughnuts one night a month. Those seeking for some firm substance or evidence of contributions will not long sustain interest.

I have prepared and given a program which I entitled "The Amateur Role In Modern Archaeology". In it I cover a variety of activities which have to do with contributions that members can collectively make. Subjects such as regional surveys, organization and cataloguing of surface collections, how to record a site, photography, simple mapping, reading a topographical map, useful text references, number control and other non-digging activities. Some time is given to the ethical problems involving pothunting, buying, selling and trading relics, antiquities laws. The program is supported with a slide selection, examples of recon maps, photos and suggested control forms. In effect, the program is especially aimed at chapters suffering from "tired blood" or conflicts between diggers and non-diggers, or chapters which have lost their drive but not their interest. Chapter Presidents who are interested in such a program write me at Montgomery Museum of Fine Arts, 440 S. McDonough Street, Montgomery, Alabama 36104. Let's work together!

Dave Chase

CONDENSED MINUTES OF 1967 ANNUAL MEETING

The business session was opened by State Society President Tom Cornell on Sunday, December 10th at 2:05 PM, at the Birmingham Museum of Art, Birmingham, Ala. Birmingham Chapter President Joe Watkins welcomed the many members and visitors to the City, and to the Annual Meeting. William M. Spencer, a director of the Museum and also Treasurer-Counsel of the Society's Research Association affiliate, welcomed the members and visitors to the Art Museum, suggesting that all present take time to visit throughout the Museum and calling attention to many of the fine exhibits to be seen. Following these welcomes, Secretary-Treasurer Rodger Schaefer read the minutes of the year's

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activities and gave the treasurer's report showing income of \$2,420.98, disbursements of \$2,149.24, Regular Fund balance of \$443.63 and Special Fund balance of \$1,969.55.

Twelve of our 13 chapters then submitted reports, reflecting that most have been active throughout the year and have held regular meetings. Those reporting were Joe Watkins, Birmingham Chapter; Madge Hahn, The Pastfinders (Birmingham Ladies Auxiliary); Eulis King, Cullman County Chapter; Dr. William Goslin, East Alabama Chapter, Auburn; Amos J. Wright, Huntsville Chapter; A. B. Hooper III, Marshall County Chapter; Bert O. Yerkes, Mauvilla (Mobile) Chapter; Dave Chase, Montgomery Chapter; Tom Moebes, Morgan-Limestone Chapter; Al Beinlich, Muscle Shoals Chapter; Richard E. Battles, Nockalula (Gadsden) Chapter; Hallie Chapman, Selma Chapter; and Neal R. Stowe, Tuscaloosa Chapt.

Reporting for the STONES & BONES Newsletter, E. M. Harris reported mailing of 12 issues on time during the year; that articles of statewide archaeological interest are welcomed; that Dan Josselyn was continuing to contribute the majority of items appearing in the Newsletter; and that the Educational Page would be continued.

Britt Thompson reported for the Archaeological Research Association of Alabama, Inc., stating that in spite of rather rough going last year on raising funds for the summer dig, a decision had been reached to continue this State Society activity in 1968, and the financial, publicity and otherwise cooperation of all members and friends of the State Society would be most necessary.

Neal R. Stowe reported on the 1967 summer dig, covering information which was given at the Summer Meeting and which appeared in Progress Reports in the Newsletter.

Rodger Schaefer reported for the Constitutional Change Committee on changes approved by the State Society's Board of Directors on October 14th affecting membership classifications and dues, the latter being necessitated by increased Journal and Newsletter printing and mailing costs; the dues increases to be effective June 1, 1968 for 1969 memberships; with any excess amounts to be used for larger publications. Dues for 1969 will be: Regular, \$4.00; Family, \$5.00; Associate, \$2.00; Institutional, \$4.00; Sustaining, \$7.50; Joint Sustaining, \$10.00; all to be \$1.00 greater for outside U.S. memberships. (A copy of the new constitution will accompany a future Newsletter.)

Britt Thompson, Nominating Committee Chairman, presented the following slate of officers for 1968, who were duly elected by acclamation:

President - - - - -	David Chase
First Vice President - - - - -	T. R. Gray
Second Vice President - - - - -	Mrs. J. E. Searcy
Secretary-Treasurer - - - - -	Rodger L. Schaefer
Assistant Treasurer - - - - -	Brittain Thompson
Editor, Journal - - - - -	D. L. DeJarnette
Editorial Assistant, Journal - - - - -	Mrs. Valerie Scaritt
Editorial Assistant, Journal - - - - -	Mrs. Christine Wimberly
Photographer, Journal - - - - -	Dr. A. G. Long Jr.
Editor, Newsletter - - - - -	Brittain Thompson
Editorial Assistants, Newsletter - - - - -	Mr. & Mrs. E. M. Harris
ESAF Representative - - - - -	D. L. DeJarnette
Directors at Large for 3 Years - - - - -	A. W. Beinlich, J. F. Gustafson, B. B. Henson, A. B. Hooper III, E. C. Mahan, S. A. Mosley S. E. Smith, D. M. Wilbanks

President Tom Cornell then introduced 1968 President David Chase, who graciously accepted his new office, complimented the membership on their fine archaeological displays brought to the meeting and adjourned the business meeting.

Following a very enjoyable coffee break served by ladies of the Birmingham Chapter and

Auxiliary, newly elected President David Chase called the meeting to order at 4:05 PM. Britt Thompson introduced the main speaker, Charles Jager Nance, who is now teaching anthropology at the University of Alabama Birmingham Center. His talk was to have been in 2 parts, the first on "Anathermal-Altithermal-Medithermal Culture Patterns in the Western U.S." This was a scholarly paper concerning the cross-dating of aboriginal cultures through consideration of the climatic conditions prevailing at the time a Pacific culture was in existence. As example, he pointed out that several archaeological sites of the far western and southwestern U.S. display a stratigraphic level dated roughly at 5,000 B.C., which contains few, if any, projectile points and few, if any, animal bones, but does contain food grinding stone tools, indicative of a culture having a food economy, based not on hunting but based primarily on gathering and preparation of plant foods, reflecting a period of scarcity of animal life resulting from a warm, dry period called the altithermal. Mr. Nance also stated that evidence so far indicates altithermal climatic conditions were widespread during a single period and probably extended over the southeastern as well as over other sections of the U.S. Therefore, a possibility exists for another system of cross-dating archaeological findings from site to site, a system involving identification of a particular stratigraphic level with a specific climatic condition.

Due to the lateness of the hour, the meeting was adjourned following the above paper, but for the benefit of a number of those in attendance, Mr. Nance also showed many beautiful slides and discussed his other subject: "New Archaeological Discoveries in the Mountains of Mexico".

A MESSAGE FROM OUR 1967 PRESIDENT

I wish to take this opportunity to thank the members of the Alabama Archaeological Society for permitting me to be your President for the year 1967. It was a real pleasure to meet and work with the many fine people who make our State Society possible. I regret that I was unable to visit the chapters in South Alabama, but hope to do so in the near future.

Our State Society is a complex organization with many diverse personalities and ideas. It is important that we all work for what is best for archaeology, keeping in mind that compromise or refusal to compromise can be carried so far that it will be a disservice to our State Society and the work we wish to accomplish. We all have a responsibility to protect and preserve the priceless heritage of archaeological sites and artifacts with which we are so richly blessed.

We must do our part to help educate and train the younger generation to help us take our stand against those characters who grab a shovel in one hand and a pick in the other and start off on the run to the first site they can find. We have no place for relic hunters and grave robbers. Let's all be amateur archaeologists!

Tom Cornell

EXCHANGE INFORMATION

For some years now we have been in the business of "exchange publications". Our Directors also made arrangements for gleaning, and publishing, pertinent bits from these publications. But it didn't work out - as almost nothing ever does! So these exchange publications are now being funneled directly through your Newsletter. If the neck of the funnel isn't too small (time, manpower, space) we are going to try to select a bit of "exchange INFORMATION". We could heartily wish that such information might appear more completely in 2 other publications: A NATIONAL Newsletter, professional; and a NATIONAL Newsletter, amateur. After 20 or more somnambulistic years of muttering, we still cherish that dream. For this month:

"I'm having the usual difficulties..." says Sherman Lawton, President, Oklahoma Anthropological Society - which is no doubt pertinent to all of us, and important for all members to remember, and try to make it less so for those who accept the task of trying to operate a society despite those DIFFICULTIES. (Just try spelling OPERATE with a prefix: CO- !!!)

Ho! - we have a reader! The Ontario Archaeological Society Newsletter says: "The picture summoned up by Dan Josselyn of the slumping of sodden hillsides may actually be seen during the spring melting...This may explain why so few Paleo artifacts have been found on the northeast side of the Escarpment - they are buried." Our hearty congratulations go to Dr. R. Dean Axelson, President, for "lab sessions at his house... cleaning, cataloguing", etc.; and for the drive to "record all fluted points" of which "only 20 have entered the records" in Ontario. (We noted in the ESAF Bulletin that Dr. Guthe is making the same plea in Tennessee, where only 300 fluted points have been properly reported - if YOU have any properly collected Tennessee fluted points, PLEASE pinpoint find and report all details, preferably with photo or the point itself, to Dr. Guthe or to us.)

The front page of the Northwest Arkansas Archaeological Society Newsletter pertinently (for all!) bristles with repeated "RENEW NOW!" and "you lazy rascal, sit down and write a check for \$5.00" - need we hint further in ditto? We were also interested to note their heavy attendance at an Oklahoma Society meeting, and the fact that 1968 meeting locations will be divided between Fayetteville, Springdale, Huntsville, Harrison, Siloam Springs, Goshen, Eureka Springs, Pea Ridge & Bentonville - a delightfully friendly arrangement with high potential.

The Archaeological Society of Maryland is "A Section of the Maryland Academy of Sciences"! Is there a thought there toward up-grading amateur archaeology - and/or could we presently qualify for such affiliation? The little BRASS staples are interesting, too, but doubt if they would penetrate our thick - er - publication.

The University of South Dakota MUSEUM NEWS, Nov.-Dec., an impressive publication, is devoted to salvaging what it could from: "Mr. Morgan long suspected that the little mound might contain a secret...The occasion came (when) a dead calf had to be buried...came onto the bones...appears to be a man of giant stature" - which, too often, alas, is archaeology, or the tattered remnant thereof. Though in this unusual case the Museum did finally inherit the results.

THE INTERAMERICAN, Newsletter of the Instituto Interamericano, has long been one of our favorite quote sources, and we believe you will enjoy this one: "OBSIDIAN: For 120 years American archaeologists have been trying to identify the source of obsidian artifacts found in Hopewellian burials in the Midwest of about the time of Christ. Now, by means of neutron activation the source of the obsidian has been identified. It is Obsidian Cliff in Yellowstone or with other Yellowstone sources. Material from 23 sites in Alaska, Mexico and the Continental U.S. were tested but only Yellowstone corresponded with the artifacts. (Sorry about that "continental", we realize that Alaska is on the continent)."

In line with the quote above, we find the following in the delightfully rejuvenated Tennessee Archaeological Society Newsletter: "We see in SCIENCE magazine that another dating tool has been added to the archaeologist's kit. Joseph W. Michels, Assistant Professor of Anthropology at Penn. State University, explains the relatively new technique of dating by "hydration of obsidian" in the October 15 issue. While there haven't been any obsidian tools found in situ in Tennessee, the technique does crack the door on the possibility that other lithic materials could also be dated. Someone should take a look at grey chert for a start." To this we say "Amen!"

Well, so far, it looks as if there might be a lot of good IDEAS, too, to be gleaned from other publications. Directors please make notes, and Chapters please ponder. The "diffusion" of ideas is considered by far to have been man's most progressive tool - let's see what we can do with it toward a more active, scientific and more pleasant 1968 as we cull and excerpt as space permits. (Addresses available if your Chapter wishes to add any of these publications to its library.)

MORE "DIG" DONATIONS

"IN MEMORY OF MR. BILL STEELE" - Signed "Elberta and Bob Reid" - with a donation to our 1967 ANNUAL FUND DRIVE for archaeological research, terminating it on a very dear note indeed. Bill, fairly dripping with friendship as he did, would love that. In

Bill's behalf, we extend a deep appreciation of this happy thought of Bob & Elberta. Also, they round out donations for 1967 to the very nice "round number" of ONE HUNDRED. Eight years ago the astonished archaeological world advised us profusely that a fund drive for the "pure science" of archaeological research was quite impossible. Then we were advised that the "novelty would soon wear off". After 8 years, good years and bad, as the "gamble" of excavating is bound to run, we think 100 donations represent a real triumph. And we'd like to add that every effort is being made to plan an EXCEPTIONAL year for 1968. Our good donors provide "free" money with no "strings" attached, to expend, to the best of our ability to plan, for the BEST interest of Alabama and American archaeology. Exploration of NEW fields of interest and greatly enlarged potentials, is of course in general by far the best we can do for archaeology (which is gravely lacking in exploratory machinery) with a small fund. Our specific problem is to pinpoint the most specific implementation of this "invasion of the unknown", and the arousal of other archaeologists to join us in this vast field of research. We certainly have a "foot in the door". "In Memory of Mr. Bill Steele", and all the notable amateurs who have made great archaeological discoveries, and all of our 8 years of donors, let us OPEN that door and see if there is anything important behind it - we note with interest that more and more of the top echelon of archaeologists are coming around to the expressed belief that there IS a new era of American archaeology behind that door, and that in any event we MUST OPEN IT AND SEE.

FIRST ON-THE-HIGH-SEAS DONATION: Forrest Rutledge, USS San Marcos LSD 25, "M" Division, c/o FPO New York, N.Y., now deployed in the Mediterranean area, honors us with our first "on-the-high-seas" donation - and on "navy pay"!!! And he writes Secretary Schaefer a most inspiring letter. Forrest is taking a correspondence course in archaeology from the University of California, and hopes his credits, for which he is "diligently working", will count with the University of Alabama - where he would like to major in archaeology under Dave DeJarnette. Meanwhile, he seems to be doing a bit of foreign archaeology: "We pulled liberty in Turkey and after I found out that the famous city of Ephesus was nearby I had to make a tour there, and after discovering that the city was still being excavated I took 3 days leave and worked and wondered through those magnificent ruins. There was a small language barrier but I discovered that these Turkish men loved archaeology as much as myself." International language as well as brotherhood! In thanking Forrest we sent along some literature as a "bonus", and know he would like to hear from his friends in the Noccalula Chapter, of whom he mentioned several. With, now, 101 donations, do we have "one to grow on", and an inspiring one indeed?

U.S. AND WORLD ARCHAEOLOGICAL NOTES

EASTERN STATES ARCHEOLOGICAL FEDERATION ANNUAL MEETING: Beautiful scenery - autumn colors well worth the long drive; new faces, soon to become good friends; artifact displays with the unfamiliar and the familiar; a glimpse at books, publications and literature about other societies; most gracious and friendly hospitality; all this just the trimmings for the 1967 ESAF meeting in Washington, D.C., on November 4 & 5.

The program covered varied archaeological interests, from John L. Cotter's announcement about the new Society for Historical Archaeology with its first annual meeting to be held in Williamsburg, Va., January 12 & 13, 1968, to a paper by Douglas Woodward on projectile point types at a site in Maryland. "Our own" Joe Benthall gave a paper on a stratified Bluff Shelter in Russell County, Va., and Dr. A. R. Kelly on an Archaic Steatite Quarry near Greenville, S.C., with slides of various steatite artifacts. All this and more will be published in the BULLETIN, but so much is missed without the color slides and exhibits displaying some of the artifacts from sites discussed. The meeting afforded many interesting exchanges of ideas during the coffee breaks and between sessions, a social cocktail hour and the banquet with renowned Dr. Douglas Byers on "Early Man in Nova Scotia". All this ended with hurried farewells & plans to meet again next year at Ann Arbor, Mich.

Marjorie Gay

1967 SOUTHEASTERN ARCHAEOLOGICAL CONFERENCE at Macon, Ga., November 9-11, was attended by our State Society members Dave DeJarnette, Steve Wimberly, Mr. & Mrs. Robert Gay, Gloria Wentowski and Dave Chase, the latter having read a short paper on "Preliminary Investigations at Fort Toulouse" and chairmanned a session on Central Alabama pottery typology. A most interesting variety of archaeological subjects were discussed and pictured, with 2 days of the conference being devoted to discussion of pottery types and progress made in the effort to consolidate pottery type names. Conference results will be published in the forthcoming Bulletin of the Proceedings of this 24th Annual Meeting. The 1968 Conference will be held at Knoxville, Tenn., with a proposed subject of "Lithic Technology".
Marjorie Gay & Dave Chase

ONE BATTLE NOT LOST: In 1634 Jean Nicolet encountered the Menominee ("People of the Wild Rice"), happy farmers and hunters living in their ancestral home of Weese-coh-seh ("a good place in which to live"). When we acquired, by hook and crook, the "North-west Territory" and established the Wisconsin Territory, we began to whittle away at the holdings of the People of the Wild Rice. Finally we tried to remove them to a western reservation, but Chief Oshkosh refused. So, in winter weather, they were forced from their comfortable homes and good lands into a corner of "worthless wilderness" in Wisconsin to confront years of extreme hardship. The Indians then discovered that their "worthless wilderness" was a fine forest of marketable northern white pine - which the invaders then tried to wrest from them. What with one assault and insult after another, finally "They decided to sue the government for maladministration of their affairs and the illegal cutting of their timber. After 18 years of litigation, they won \$8,500,000 in damages in 1952" - amounting to a few dollars per capita for generations of suffering, but nonetheless a satisfying battle to win, at long last. - This is excerpted from an account by Phebe Nichols Lookaround, in the JOURNAL OF THE WISCONSIN INDIANS RESEARCH INSTITUTE, Vol. II, No. 2, Dec. 1966, by Dr. George E. Fay, Editor and Publisher. You have been receiving circulars on this series (and other publications by the indefatigable Dr. Fay. This series will be on the "must" list for all close followers of Indian history and present status, and for all libraries - PLEASE call it to the attention of your local library.

A GUIDE TO ARCHAEOLOGICAL SITES IN MEXICO, by Dr. George E. Fay, you will also want if you ever intend to visit Mexico, or if you want a partially descriptive list of 69 of the amazing ruins of the "great American civilization".

BENEATH THE ROCK-FALL: If Dr. Junius B. Bird had quit digging when he hit a heavy rock fall, we would not know that man inhabited Fell's Cave at the southern tip of South America 10,700 years ago. And we are impressed that in Europe the Paleolithic (old lithic) archaeology is not expected in shelters until a heavy rock fall is penetrated. Logically, the termination of the Ice Age, with periods of thaw, freeze, rain and thaw, freeze, rain, would pry off any vulnerable slabs. And, besides being old, any archaeology beneath such a rock fall is sealed off from later contamination and is thus a pure and datable midden. Might not a portable power drill, enabling quick determination of possible midden below such rock falls, be a desirable addition to the growing number of tools in the archaeological chest?

OVERPOPULATION PROBLEM SOLVED? For an isolated and small culture, the people who mysteriously inhabited Easter Island were remarkable. Among other things they carved, transported and erected in one piece statues of "gods" weighing up to 90 tons. For once, cultural disintegration antedated European invasion - though it was accelerated thereby. In the December 1967 issue of NATURAL HISTORY, William Mulloy interprets his archaeological investigation of Easter Island as indicating that these people, protected from all the world and its weapons and diseases, suffered the worst calamity of all - overpopulation. Their answer may have been, Mulloy further interprets, to solve the food-shortage problem by killing and eating each other. "Perhaps in the fate of the inhabitants of Easter Island we see a preview in microcosm of what may ultimately be the fate of the whole of mankind" - as Mulloy holds up the overpopulation mirror

for us to look into. (P.S.: Human body fat is 41% "saturated", so according to one theory it might further hasten our extinction via cholesterol deposits and arterial diseases.)

AND EDITORS CRUSHED BETWEEN: Last month we excerpted from Dr. Carl B. Compton's always-newsy INTERAMERICAN the bit (or tidbit!) wherein Prof. Jose L. Lorenzo claimed the "possibly over 40,000 years old" Puebla, Mexico site was a hoax. This month, again borrowing from the INTERAMERICAN, we can report that Dr. Cynthia Irwin-Williams fires both barrels of denial and confutation at Lorenzo. In both instances, terms were used which are hardly calculated to win friends and influence archaeologists. While this invective custom, which we have long noted in the archaeological literature, may enliven things for readers, it is difficult on editors - who may incur the enmity of both parties for printing what the OTHER party said. But good gracious me, if we wait on "verification" to go to press, we may print history or archaeology, but hardly "news" - as witness old Piltdown himself. In the meantime, have at it - we'll print the verification when it gets here, and hope that by giving all parties a hearing we can even hasten the day as well as amuse readers.

CHAPTER NEWS

Birmingham Chapter meets at 7:30 PM on the first Wednesday of each month at the Birmingham Public Library. Final plans for the Annual Meeting were discussed at the December meeting, and 1968 Officers elected were: Arthur B. Dunning, President; T. R. Gray, Vice President; Mrs. Jean Fowler, Secretary-Treasurer. A field trip is planned to a Mica Beryl (Pegmatite) site in Coosa County on January 14, members to meet at 10:00 AM at the Rockford Cafe, Rockford, Ala.

THE PASTFINDERS, Birmingham Chapter ladies' Auxiliary, in lieu of a December meeting, served as hostesses at a delicious "Air of Christmas" coffee at the State Society's Annual Meeting on December 10.

Huntsville Chapter meets on the 3rd Tuesday of each month at the Madison County Court House. Chapter member Tom Cornell entertained the November meeting with a slide illustrated discussion of the Whitesburg Site Malo. At the December, Mr. Varnadoe, an engineer, author and spelunker, spoke on "Caves and Bluff Shelters". 1968 Officers were elected: Amos J. Wright Jr., President; B. Bart Henson, 1st Vice President; Robert L. Tucker, 2nd Vice President; William H. Wesley, Secretary-Treasurer; and Dan Buchanan, Librarian.

Marshall County Chapter meets ^{at 7:00 PM} on the 2nd Tuesday of each month at the Long Building in Guntersville. Dr. A. G. Long Jr. gave a color slide presentation at the December meeting on "Archaeology and Anthropology". 1968 Officers elected were: Richard Stimler, President; Gordon Sibley, Vice President; A. B. Hooper III, Secretary-Treasurer; and Dr. A. G. Long Jr., Librarian.

Mauvilla Chapter meets on the 2nd Tuesday of each month at the Phoenix Restored Fire Station, Mobile. At the December meeting, Mr. Don Harris gave an informal report on the Salvage Project at the Fort Conde' site in downtown Mobile. Mr. Harris is a University of Florida graduate and is in charge of field work at the site. Officers for 1968 are to be elected at the January meeting.

Montgomery Chapter meets on the 1st Tuesday of each month at the Montgomery Museum of Fine Arts. At the December meeting, Dave Chase discussed "Field Procedures and Techniques", giving the historical background of scientific archaeology and explaining in detail how and why certain methods are used and discussing the value of such methods.

Morgan-Limestone Chapter meets on the 1st Monday of each month at Decatur City Hall. Mr. Tom Cornell, State President, spoke to the December meeting on "Whitesburg Bridge Site Malo" discussing excavation methods, stratigraphy and artifacts found, also explaining it is a "living" site since surface artifacts still being found. At the January meeting, James W. Cambron will discuss "Cave Burials", with particular emphasis

on those which have been found in North Alabama. The January meeting will be held on the SECOND Monday. Officers elected for 1968 are: Brian Pilling, President, John Gustafson, Vice President; Frank Hiserodt, Secretary-Treasurer.

Muscle Shoals Chapter meets on the 4th Monday of each month at Wesleyan Hall, Room W-3, Florence State College. At the November meeting, 3 University of Missouri films were shown relating to early man's endeavors with history down through the ages to the present time, not based on archaeology as it is generally considered.

Noccalula Chapter meets on the 1st Thursday of each month at the Etowah County Court House, Gadsden. At the December annual dinner meeting held at Carnes Restaurant in Attalla, 1968 Officers were installed and there was an inspirational discussion of plans for this year's Coosa Time Tunnel. A total of 11 Chapter members attended the State Society Annual meeting in Birmingham.

ANNOUNCEMENTS - STATE NEWS

NEW MEMBERS DURING DECEMBER: (Welcome aboard! This is a fine start for 1968!)

Erasmo R. Ambrioso, 948 Five Mile Road, Birmingham, Ala. 35215
Burnell V. Bowersock, P O Box 1004, Anniston, Ala. 36201
Steven Eaton, Route 5, Coshocton, Ohio 43812
Mr. & Mrs. Charles B. Hall, 1600 - 17th St. SW, Birmingham, Ala. 35211 (Family)
Clarence R. Heath, P O Box 469, Jacksonville, Ala. 36265
Mrs. Homer A. Jackson Jr., 46 Norman Drive, Birmingham, Ala. 35213
Mrs. Don Jaekels, 127 Laurel Drive, Gulf Breeze, Fla. 32561
Ned J. Jenkins, 517 - 12th Ave., Tuscaloosa, Ala. 35401
Pitt Tyson Maner, 15c The Prado, Montgomery, Ala. 36105
Mr. & Mrs. Charles Roger Nance, 1200 Gladstone Ave., Birmingham, Ala. 35213 (Family)
George W. Percy III, 2515-B Prytania St., New Orleans, La. 70115
Brian Pilling, 1309 Elizabeth Ave. SE, Decatur, Ala. 35601
John C. Reno, 1606 Eastmeade SE, Decatur, Ala. 35601
Dr. J. L. Sanderson, Route 13 Box 718, Birmingham, Ala. 35216 (Family)
Mrs. Edward M. Simmons, Hoot Owl Hill, Avery Island, La. 70513
Philip Spann, 407 Santolina Road, Dothan, Ala. 36301 (Family)
Edwin D. Walker, Lot 14 Boozer Trailer Court, Jacksonville, Ala. 36265 (Family)
Mrs. F. B. Wingate, 4 Montcrest Drive, Birmingham, Ala. 35213
Cornell University Library, Central Serial Record Dept., Ithaca, N.Y. 14850 (1967)

Y O U R D U E S F O R 1 9 6 8 ! ! ! While you have this before you, and if you haven't already done something about it, sit right down at your desk and use the inside back cover of this Newsletter to mail in your 1968 dues to Secretary-Treasurer Rodger Schaefer. Your presence is earnestly requested among our paid-up membership.

THAT CHRISTMAS SPIRIT: Tom Cook, Dalton, Ga., afforded us a pleasant seasonal smile with: "This is a Christmas present from me so please mail to my wife". We sent our own greetings too, along with the Lively Complex publication on pebble tools.

AND A HAPPY NEW YEAR TOO to Mrs. John Cox, Bridgton, Maine, whose sister Mrs. Chester Nichols Jr., ordered a set of Arthur Dunning's 75 rock specimens to be sent direct to her "in time for Christmas". Mrs. Cox "owns a gift shop and is a fine lapidarist in her own right and whenever she has visited us she has taken a variety of Alabama specimens home to display in her shop window." (You, too, could advertise Alabama's mineral wealth - we can still supply full sets.)

OUR DEEP REGRETS: Last May 13, in closing a letter to Mr. & Mrs. Percy H. Whiting, of Montrose, we wrote: "You are to be congratulated for your intellectual curiosity and intellectual responsibility, the scarcest and most needed things in the world". Ever since joining the Society they have been "silent partners of archaeology", eager to know what our own progressive attack can discover, and assuming financial responsibility for our progressive efforts. In reply to our STATEMENT FOR 1968 DUES, Mrs. Whiting

writes: "This is an individual membership. Mr. Whiting passed away Aug. 7th". We wish to express, thus belatedly, our regrets for the loss, which we can ill afford, of an intellectually curious and responsible citizen and member. And in expressing our sympathies to Mrs. Whiting we wish to add that how much we live is as important as how long we live, and we judge that Mr. Whiting must have had a greater capacity for, and appreciation of, living than many who seem rather to merely "pass through" than live the remarkable opportunity of life.

Col. William J. Given, way back in 1964 when he lived in Orange, Calif., outlined for us a quite remarkable "military attack" on the problem of undiscovered Mauvilla - which we'd like to see implemented. Now he writes us from Foley, Ala., "all of my files of your publications are now kept at the town library". Bill Given is still a man of ideas - good ideas. Need we hint more broadly re YOUR town library?

Jan S. Swart, now of RD 1, Queen Anne Road, Amsterdam, N.Y. 12010, "...one of that handful who chartered the Choctawhatchee Chapter while at Ft. Rucker near Dothan, but left Army and the Wiregrass April 1966", in sending his Sustaining 1968 membership dues to Secretary Schaefer, writes the following most satisfying letter:

"...we find that Dr. George Fay, Dept. Anthropology, Colorado State College, and editor of Central American newsletter KATUNOB has been following with interest developments in Alabama's pebble tool complex. He now offers for \$3.00 Colorado Museum of Anthropology's 3rd 'occasional series' publication AN ARCHAEOLOGICAL STUDY OF PERALTA COMPLEX IN SONORA, MEXICO containing many reproduced photographs of pre-ceramic crude lithic tools; similar to some of the Lively material, according to Dr. Fay.

We follow with interest the increasing ease with which relationships are being recognized among seemingly isolated samples of lithic technologies, and indeed the conspicuous gravitation of these toward the good old Lively Complex - the one well-defined reference point. Somebody said: 'it's going to get Livelier and Complexer!'

STONES & BONES far from overdoes pebble tools. Through this publication's efforts alone the strength and continuity of local interest is being demonstrated. Without this first, a more general or national academic interest would perhaps have existed, but of a far lesser magnitude than what we see currently. Pebble tools are, as a consequence, now, 'a lithic culture maybe', or 'pre-flint culture probably', or 'who the heck knows, I don't' instead of 'lithic debris', 'spawls', 'turtlebacks' and 'DOG-STONES'. STONES & BONES' persistence in behalf of pebble tools as representatives of a distinct technology doesn't vary the validity of the thesis one iota, certainly, but it sure has trimmed down the traditional waiting period for breaking the academic ice in the U.S. in order for them to be offered an objective scrutiny.

...I hope you realize that successive glaciers pushed all of New York's pebble tools down into Dixie, and that is why northern archaeologists don't recognize the Lively Complex, because if they don't have any, you folks aren't going to, either. There may be post-glacial lithic culture here. If so, it's scanty. There may be pre-glacial as well - even harder to find under 50 yards of gravel bank and clayey glacial till. Oh, well!"

Needless to say, this is the kind of encouragement we treasure! Thanks, Jan.

Lieut. John and Mrs. Randy (Luxenburg) Cottier, both of whom you will remember as veterans of many of our summer digs, sending a welcome Christmas card from Fort Bliss in Texas where John is on active duty, write from El Paso: "We joined the local Archaeological Chapter here. They are a very large and active group and seem to be very well organized. They work in connection with the State Society and the local University Museum." Alabama's temporary loss of this dedicated couple is much lamented, and we (probably not near as much as they) are looking forward to their return shortly.

YOUR EDITORS AND YOUR STATE SOCIETY hope that you all have had the nicest Christmas ever, and trust that you will renew your membership right away so that we can anticipate the pleasure of greeting you similarly this time next year. In the meantime:

HAPPY NEW YEAR

EDUCATIONAL PAGE

COPPER FROM THE GREAT LAKES REGION

The source of aboriginal copper artifacts east of the plains in North America has been a subject of much puzzlement and considerable research, with no definite conclusions reached. The copper from the Great Lakes region known as "native copper", the only area where metallic copper is the principal ore, is the most obvious source of eastern copper artifacts.

Possibly most of the copper used by the aborigines was derived from "float", the boulders brought from a distance and left in the moraines by the Wisconsin and earlier glaciations. Float copper nuggets are found from Iowa to Ohio, so it would be impossible to say where any individual piece of aboriginal copper was found or mined.

The glacial float copper was derived from several known sources: the Keweenaw Peninsula, Isle Royal and the Canadian deposits (and possibly lake beds undiscovered and erased deposits). It has been proven that thousands of tons of this float copper exist, and weekend treasure hunters still find much copper with the aid of metal detectors - which at present prices might even become profitable. A large mass of this glacial copper found during WPA days is on roadside exhibit at Atlantic Mine, Michigan. Another mass of some 70 tons, presently in the Smithsonian, stood on the shore of Lake Superior for thousands of years and survived the hacking of many a passer.

The aboriginal copper mines were quite extensive. At McCargoles Cove on Isle Royal nearly a square mile was dug over, with adjoining tunnels often meeting. There were many ancient workings around Rockland, Greenland and Mass, Michigan. Thousands of stone hammers, and occasional copper mauls, are found in these workings. Quite a few hammers show evidence of hafting, but many were used without handles. The mining seems to have been done almost entirely with hammers, fire and wooden picks and shovels, some of which perishable tools have been found in the old works.

The copper of upper Michigan occurs in a series of basaltic lavas and conglomerates. The basaltic deposits are referred to as "amigdaloid deposits" - meaning that the vesicular basalt cavities are filled with later minerals, copper being the important one. This amigdaloid copper takes several forms. On a recent trip, the writer collected sheet, crystalized, shott, mass (massive) and other varieties. The conglomerate deposits, while less interesting from the viewpoint of the specimen collector, are the more important for their copper content.

The larger copper masses (to 420 tons!) presented quite a problem to the aborigines. One mass of 6 tons was found in the Minnesota mine and had been hoisted 5' up a 20' shaft before being abandoned. All protruding bits had been cut off, and the outside of this tough metal was rounded by battering, suggesting many ineffectual attacks.

In opening modern mines a popular method has been to spread the rubble over several acres of the marshy terrain as foundation for buildings. This has undoubtedly buried much aboriginal evidence, though considerable evidence remains. Of the more than 300 mines still visible in the copper country, the writer visited only a dozen or so. But specimens of interest were found to be prolific, including 2 stone hammers collected, one a glacially polished cobble. Our excellent guide, John Tobolo, is 83 years old and has been collecting for over 50 years.

In areas close to copper sources, this workable (by hammering and annealing alternately) material was used for many tools and weapons. At increasing distances, the use became more ornamental. Copper celts and projectile points are quite common in Michigan and Wisconsin. The Hopewell and Mississippian cultures are noted for hammered sheets of copper often used to plate wooden or stone ornaments.

Jim O'Mear, an informant of Mass, Michigan, and a "junktique" dealer, related that while digging in the basement of a ruined saloon for bottles, he found a fine aboriginal hammer, probably used as a door stop. And once while exploring an ancient mine he noticed a tag of copper barely protruding, which he worked out, and has a 10" by 12" mass of copper in his collection to show for it.

Arthur B. Dunning, Birmingham Chapter

THE ALABAMA ARCHAEOLOGICAL SOCIETY

Following are the objectives stated in our Constitution, slightly modified for emphasis: To promote informed interest in the study of Archaeology in Alabama and neighboring States; to encourage careful scientific archaeological research in such ways as surface scouting, mapping, marking, studying and especially reporting; to promote and support professionally directed excavations and discourage unsupervised "digging"; to promote the conservation of archaeological sites and to favor the passage of laws prescribing such; to oppose the sale of antiquities, and the manufacture and sale of fraudulent artifacts; to encourage and develop a better understanding of archaeology through providing Newsletters, Journals, Chapter and State meetings, helpful associates and good fellowship; to serve as a bond between individual archaeologists in the State, both non-professional and professional; and perhaps most importantly, to give everyone the opportunity to "do something about archaeology" through the accomplishment and enjoyment of these high aims.

The Society needs and welcomes as members, all persons whose ideals are in accord with the objectives set forth above. Active members receive the JOURNAL OF ALABAMA ARCHAEOLOGY, devoted to articles on the archaeology of Alabama and nearby States, and also receive the STONES & BONES NEWSLETTER, published monthly, containing news of members and their activities, also State, national and worldwide events of archaeological importance.



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