## DECEMBER ISSUE

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**Reminder From the President**

I have made the following committee appointments:

- **Nominating:** Mrs. Clara Jensen (Casper) - Mrs. Bee Steege (Cheyenne)
  Mrs. Norman Ribble (Lander) - Mrs. Bob Burns (Cody)
  Mrs. Jane Hilman (Sheridan)
- **Scholarship:** Mrs. Helen Bryant (Casper), who will select her Board
- **By-Laws:** Mr. Jim Goodwin, Mrs. Elaine Hilman and Dr. Carl Hoffman
  (all from Sheridan)
- **Site-Report:** Mr. Bart Rea (Casper) - Mr. Jim Goodwin (Sheridan)
  Mr. Harry Palmer (Cheyenne) - Mr. Bob Edgar (Cody)
  Mr. Jim Adams (Lander)
- **Legislative:** Mr. David Basket (Casper) - Mr. Henry Jensen (Casper)
  Mr. Ralph Casner (Cheyenne)

The last two committees carry over from 1965.

Seasons Greetings and Best Wishes for the Coming Year!

Margaret Powers

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**Editor's Note**

Congratulations to Mr. David Basket, his Legislative Committee and all who have worked through the years trying to establish an Archaeological Survey and the position of a State Archaeologist. At a historic meeting December 12, Dr. King, President of the University of Wyoming, expressed his approval of the enclosed Bill and would include financial implementation within the University Budget Request. It is our job now to get the Bill into the hands of our own legislators as soon as possible.
LATE PREHISTORIC STONE CIRCLES *

by Dr. William Mulloy of University of Wyoming

(Stone circles) are to be found throughout the Plains and transitional portions of the Montana-Wyoming area, in western Nebraska and Dakotas, southward through Colorado into northern New Mexico and northward an undetermined distance in adjacent Canada. The writer has seen a few examples from the mountains, but it is his impression that they are not a prominent feature to the west.

These have not yet received the attention they deserve and they will be difficult to investigate because of the paucity of artifacts associated with them. It is somewhat significant, however, that those the writer has investigated in and about a dozen localities in the vicinity of Billings, Montana, six localities in the Shoshone Basin of Wyoming, and eight localities near Laramie, Wyoming have produced in all 29 whole or fragmentary projectile points. All of these are corner notched with either concave or convex bases. In five cases they are near camp sites of the Middle Prehistoric Period and in two cases camp sites of the Middle Prehistoric Period and in two cases camp sites of the Late Prehistoric Period. Forbis has reported what appears to be the butt of a corner notched point from a stone circle in the Gates of the Mountains area in Montana. More evidence is necessary before these structures definitely can be assigned to this period, but the corner notched projectile points are suggestive.

There is a good deal of confusion about these most interesting archaeological manifestations. They are usually regarded as tipi sites, with the idea that the stones were used to hold down the hide covers. Informants from several tribes in the region have stated that tipi covers were sometimes held down with stones. The early accounts of the area by explorers, army officers, and emigrants repeatedly refer to the circles as having served this function. Similar statements are not lacking in the professional literature. Some of the circles possibly have this origin, but the writer is strongly convinced after having observed several thousand examples in the Montana-Wyoming area that the vast bulk of the stone circle complex has nothing whatever to do with tipis or any other kind of habitation site.

The locations in which they are found are puzzling. The typical location is on the edge of a cliff, the highest points of a cuesta, or along the wind swept edges of terrace fingers. Usually the locality is without

* Excerpted by John Greenway, Editor of Southwestern Lore with permission of the publisher from "A Preliminary Historical Outline for the Northwestern Plains", University of Wyoming Publications, XXII, 1 (July), 1958.
shelter, wood, or water and altogether a poor camp site. Typically a wide view of surrounding territory is commanded. Occasionally the location differs and examples are found in valley bottoms in reasonably good camp sites. The circles vary enormously in size, some being as small as five feet in diameter and others as large as 40 feet. The size range appears too great to suggest a lodge outline. They may consist of a simple band of irregular stones two-and-a-half or three feet wide with stones laid continuously and sometimes one on top of another or they may vary to circles of a single row of stones laid two or three feet apart. Usually many more are present than would have been necessary to secure a hide cover. Sometimes an entrance-like break is present but more often not. Frequently there are many large stones in the interior, sometimes in disarray, sometimes arranged in one or more spoke-like lines, a small central circle, or other geometric figures. Shape of the circle may vary to a slight rectangularity, pyriform, "D" shaped, or other occasional odd variants. Numbers may vary from one isolated circle to a group of several hundred. Frequently the circles overlap each other. The writer has heard reports of hearths in "tipi rings" but he has never seen any evidence of either fire or a hard packed floor either in, or associated with any example. Perhaps most convincing is the paucity of artifacts and lack of evidence of household activity on these sites. In a site of 40 or 50 circles, a diligent search typically reveals an arrow head or two and a small handful of stone chips. Any habitation group of as many lodges as circles could hardly avoid leaving much more than is usually found, even if the occupation were very temporary. The writer has never found an historic object on one of these sites.

It is suggested that the stone circles are part of a complex which had a ceremonial rather than a practical function. They may have been erected as shrines, dance areas, or for some more obscure purpose. Possibly they are related to the Great Medicine Wheel high in the Big Horn Mountains east of Lovell, Wyoming.

Possibly one of the sources of confusion about hearths in "tipi rings" and the use of them as habitation sites results from the existence of another type of stone circle which is superficially similar but unrelated. The log lodges which already have been described from Thirty Mile Mesa and other locations usually had a row of flat stone slabs laid vertically against their outsides. After the wooden superstructures have been completely destroyed these slabs appear as a circle of stones. These are, of course, habitation sites, possess central fires, hardpacked floors, entrances, and are usually in desirable camp sites. They are sometimes mistaken for the previously described stone circles, though they are usually made up of slabs rather than irregular stones. Present evidence suggests that they date from the Late Prehistoric and Historic Periods. One site described as a "tipi ring" by Shumate in the Great Falls area of Montana and which contained a hearth and a collection of artifacts is almost certainly of this category.

Of some chronological significance in indicating that, at least, in some localities, stone circles post-date Eden Valley Yuma material is the fact that several such circles lie on the surface at the Horner Site near Cody, Wyoming, and appear to be later than the Eden Valley occupation.
TIPI RINGS *

by Dr. Carling Malouf, of Montana State University

Stones arranged in circles are numerous throughout the Great Plains from New Mexico to Alberta, Canada, and they are common in other parts of the West. Almost everywhere in the Plains they are usually called "tipi rings", although little serious study heretofore has been made to ascertain their actual use or purpose. Amateurs have speculated most widely on their origin with guesses ranging from domestic structures to games and ceremonial usages. Professional archaeologists, on the other hand, have remained more restrained in exercising their opinions.

Despite speculations, factual information has been very scant on tipi rings. Only four professional papers to date have offered descriptions of individual rings and cluster arrangements. Two summers of intensive work along a pipeline project between Green River, Wyoming, and Denver, Colorado, however, have provided a valuable opportunity to obtain more detailed data on tipi rings and their locations. Facts can now provide some of the solutions to the problems of tipi rings and their origin.

Tipi rings were found as far west as Rock Springs, Wyoming. The clusters however, were small and they usually consisted of just two or three circles of stones arranged within a few yards of each other. Moreover, the rings themselves were relatively small, ranging from 12 to 15 feet in diameter. Such clusters were several miles apart, and they were usually located at the bases of hills and mountains, near springs of water. Throughout much of the area between Rock Springs and Rawlins, Wyoming, occupation sites, without rings, were far more commonly found.

Eastward across the Wyoming Basin, and over the Laramie Mountains in the southeastern part of that State, more and more tipi ring clusters were noted. Moreover, the clusters contained more rings, and the circles themselves were larger and more numerous. Their frequency especially increased in the vicinity of Elk Mountain, and in the hills east of Rawlins, Wyoming. There were no rings in the middle of Laramie Valley itself, nor along the main river course, but they were confined to the bases of the Snow Range, Elk Mountain, and the Laramie Range. Instead of a simple line of stones around the periphery of the circle there were more complex plans.

* Funds for this study were provided by the Colorado Interstate Gas Co., through arrangements with the National Park Service, Regional Office, Santa Fe, New Mexico. Dr. Jesse Nusbaum, NPS, was the administrator in charge of the arrangements. The valuable help and interest of officials of the Colorado Interstate Gas Co. must also be gratefully acknowledged here.
Tipi rings were found almost to the very crest of the Laramie Range, although in higher elevations they had a tendency to be smaller in size and less complex in arrangement. At the mouth of Lone Tree Creek, where the stream emerges from the Laramie Mountains to flow into the Great Plains the clusters immediately became larger again. True, there were some small clusters here and there, but on the average the trend was definitely toward large rings and very large clusters. Along Lone Tree Creek and Owl Creek they were very numerous and some groups were among the largest clusters recorded so far in the west. One cluster on Lone Tree Creek, just south of the Colorado border, and some 25 miles south of Cheyenne, Wyoming, contained 85 rings, and another one contained 135 large rings. Occupation sites, incidently, decreased proportionately as tipi rings sites increased in numbers.

Between Cheyenne, Wyoming, and Greeley, Colorado, en route to Denver, the ring clusters continued to be abundant. South of Greeley, however, none were found during this survey. Intensive cultivation in this area doubtless obliterated thousands of these evidences of antiquity, but a few occupation sites were found here and there along main river courses.

Certain conclusions could be made after the survey was completed. In higher elevations, such as in mountainous areas (e.g., atop the Laramie Mountains), the rings were on ridges and crests. Springs, incidently, were always located just below. Evidently, such sites were utilized during the summer months, since the elevation here is above 8000 feet. In lower elevations, such as along streams in the Plains, after they emerged from the Rocky Mountains, ring clusters were in bottomlands or on low terraces alongside creeks which contained water for at least a large portion of a year. In all instances, the sites were close to fuel and water supplies. Where water and timber were lacking along even such streams as Lone Tree Creek and Owl Creek, the rings were also lacking. This alone is good evidence of the domestic origin of the rings.

No definite communal arrangements of the structures which left rings as a residue were noted from cluster maps. They were merely arranged along the edges of terraces. Sometimes there is a hint of rows of rings in larger clusters, but they are not well defined. It might be remembered that even during historic times the Plains Indians did not always arrange their tipi camps in a nice circle with large plazas and other features. Instead, they were frequently clustered at random. Tipi rings, however, do appear fairly close together - this in spite of the vast acreage available to them in ancient days for "spreading out".

In several clusters artifacts were found, and these consisted mainly of scrapers, knives, and other domestic tools - more evidence of the domestic origin of rings. Occasionally a corner-notched point was also found, and the scarcity of projectile points may indicate the pacific nature of the life of Indians in more ancient days.

Interestingly, no fire hearths were found in or among the rings. Dozer operators were instructed to uncover wide areas around tipi rings sites at depths established by the archaeologist, but no hearths were found.
Many rings in the Plains showed internal features such as rock piles, or alignments of various kinds. Not all rings were circular; some were ovoid or even somewhat square in outline. The term "tipi ring", therefore, is somewhat misleading. It is possible that some rings with internal features are the remains of domestic structures which had been temporarily converted to a special religious or ceremonial lodge - a practice not uncommon among Indians during historic times.

It is obvious now that different types of structures can leave similar residue. That is, circles of stones, although alike now, may be the remains of structures which originally were quite dissimilar. Rings over 20 feet in diameter, for example, are not likely to have been the base of a tipi, but could have been part of a former corral-like structure which had five or six sides made of logs, cribbed instead of in a conical arrangement. After the five-sided or multi-sided log wall deteriorated, the rocks which had been set among the timbers fell to the ground leaving a circular pattern on the ground. Such structures have been noted by Dr. William Mulloy, near Billings, Montana. Circles of stones in other parts of the west, such as those reported in western Colorado by Huscher and others, as well as similar circles in the Great Basin do not have to be the remains of "tipis" as such, but they could easily be parts of conical structures in which materials other than skins were used for covering the base poles. After the organic materials disintegrated, a circular stone outline was left.

All in all, the evidence are clearly in favor of attributing most of the rings to a domestic origin, although one must confess that at least some types of rings had other origins as well. The remains are not distinct enough to give many clues as to their place on a temporal scale in the Plains, but the points suggest they are rather late, possibly from 2000 years ago at earliest to the historic period. This, of course, is approximately the horizon referred to as "The Late Hunters."

THE "RING MAKERS"

by Jack Moomaw, Formerly with Rocky Mountain National Park Service at Estes Park Colorado.

In the eastern foothills of northern Colorado there are thousands of stone circles embedded in the sod, sometimes alone and sometimes in groups of nearly a hundred rings. These circles vary from a few feet in diameter up to 20 feet across, and contain stones weighing as much as 50 pounds, though 10 to 20 pounds seems about average - the availability of local material seemingly to govern the size of the stones. The circles do not extend very far out onto the plains, except on terraces and table mountains along water courses, nor are they found very far back into the higher mountains, except in a few isolated places where groups of three or four may be found.
Through the years nearly everyone took it for granted that these stone circles were Indian tipi rings - that is, stones that had been piled around the bases of tipis to hold down the hide covering. But now the archaeologists say they are convinced that most of these stone circles are not tipi rings. However, they do think that these rings are the work of Indians.

Most human beings find it difficult to change their beliefs, especially when nearly everyone thinks the same thing; so, in order to determine the facts of the matter, I examined all the old photographs and sketches of tipis that I could find. None of them showed stones piled around the bottom of tipis. The hide covering of historical tipis was pegged down and/or tied to the pole framework. However, Charles Eagleplume, a Sioux, told me that the Indians did pile stones and sod around the bases of their tipis during the winter. Some photographs in a paper by Thomas F. Kehoe, brought to my attention later, show that this is true for the historical Indians of northern Montana.

While making a closer examination of some "tipi rings" I automatically began counting them, and I soon found that it would have been almost impossible for the recent, historical Indians - the known tipi-makers - to have had that many tipis. According to the records, the tipi was a fairly recent type of dwelling on the western plains, introduced soon after the year 1800, and there have been no tipis in the area I surveyed for almost 100 years.

Sample plots of 1000 acres were examined. One northeast of Lyons, Colorado, produced an average of one ring to every 11 acres; another plot northwest of Fort Collins, Colorado, showed one ring to every eight acres; a general average for the region is probably one ring to every ten acres. A strip of land 20 miles wide from Boulder, Colorado, to the Wyoming line, therefore, would produce not thousands, but hundreds of thousands of rings; and if the ring areas extend northward through Wyoming and Montana, as I have been told they do, the number would run into the millions. Of course, any total obtained will never be any more than a rough estimate because many of the rings have been obliterated by farming, rock hauling, erosion, and sodding over.

When I homesteaded on Rabbit Mountain in 1915, there were seven tipi rings near the cabin. The land to the west of the homestead was plowed up, and through the years wind-blown soil has completely covered these seven rings. I also destroyed dozens of rings while clearing fields for farming. This same process has gone on in the vast areas now being farmed in this region, and the old rock piles from cleared land, stone walls, and fills, are good "Indian hunting" for manos and metates.

Archaeologists point out that these stone circles are often located on exposed terraces, ridges, and slopes, and in other places very poorly fitted for camp sites. In any case, considering the amount of effort necessary to build these rings, they must have been important in the lives of their makers. Moreover, their numbers would indicate a large population of "Ring Makers" at one time, or there must have been a small, roving population over a long period. Of these alternatives, the latter seems more logical.
After "hunting Indians" for over 50 years and talking with many archaeologists, I have come to believe that only a small fraction of the artifacts found in this area were left by the recent, historical Indians. The lack of evidence of fire (such as fire boxes, charcoal, or ashes) in most of these stone circles is a riddle. Out of 1000 rings examined, I found only a little more than three percent that had fire boxes, though these "Ring Makers" lived at a time when primitive man had fire, and in this area fire would have been necessary for survival during part of the year at least. They may have had a communal fire in the open, or individual fireboxes nearby in some sheltered spot; there is, in fact, some evidence to support this supposition.

There is in this area an archaeological gap between Folsom man and the historical Indians. This gap was not occupational - it is a gap in our knowledge that may be filled by these "Ring Makers". Young archaeologists, looking for something new to work on, could find no better field.

Many of the artifacts found in and around these stone circles are of intermediate types - that is, older than the historical Indians but not as old as the classic cultures. Archaeologists new to this area have been amazed at the number of manos or rubbing stones scattered over the area, both on the surface and buried; it has always appeared that the quantity of these manos was far greater than could have been accounted for by the recent Indians. Is it possible that this great accumulation of manos was made by the "Ring Makers" over a period of several thousand years? If most of the manos belonged to the "Ring Makers" - and there is strong evidence that they did - then these people must have been to a great extent vegetarians, living on the abundance of edible plants and seeds that still grow in this area. For instance, the fleshy stems and roots of cattails are almost pure starch; if dried and powdered by manos, they yield a rich flour.

Several miles north of Boulder, Colorado, just south of Saint Vrain Creek, there is a plateau of some ten acres that juts out into the lowlands forming a peninsula into what is more or less boggy terrain that very likely was ancintly a swamp of several hundred acres. There are no stone rings or other evidence of dwellings on this plateau, but there are hundreds of rubbing stones and broken metates embedded in the sod. Flint chips and other artifacts are extremely rare here. Whatever it was that the Indians were grinding for food must have come out of the swamp. There are several small campsites, with stone rings, in the foothills a mile to the west; evidently these people went out onto the peninsula to process the food from the swamp, and then carried the finished product back to their camps. It would be interesting to see how often this pattern is repeated in the entire ring area.

In a few places these stone circles overlap or intersect one another, and some are on slopes, which presents a confusing problem if the circles were bases of structures. It has been suggested that these "tipi rings" might be sepulchers. Excavation shows that they are not graves in the sense of the word as we use it, but they may have been symbolic or spirit houses for the dead. Many tribes to this day in northeastern Asia do not
bury their dead, but carry the bodies out onto the wasteland and leave them there. This could account for many of the rings being located out on the plateaus. Often there is a small pile of stones and in some cases small circles of stone just outside the larger circles, but like the larger circles, these small appendages contain no evidence of fire. Could these have been spirit houses for a child or wife?

Some of the stones in these circles seem to have been scattered beyond what could be expected from natural causes. These scattered stones are as deeply sodded as the stones in the circles, indicating that some of the circles may have been destroyed soon after they were made. It has been postulated as an explanation that these stone circles were used by primitive man to hold down animal hides for curing. I have tried it with the stones from a "tipi ring" and it does not work.

Very few of these stone circles show any evidence of a doorway, and the ones that do have a gap show no consistent direction of an opening as should be expected. The few "doorways" that do exist may easily have been made by natural causes during the years since the circles were laid down.

The shelters and dwellings of primitive men all over the earth were and are nearly always dome-shaped. Could these "tipi rings" be the sites of dome-shaped, yurt-like dwellings such as the Mongolians use - that is, wicker framework huts covered with hides, grass, or leaves? It is almost certain that they were not covered with earth or sod, since enough earth to cover that large a structure would have left a discernible mound. Local material of the foothills, such as willows and cottonwood sprouts and limbs, could have supplied material for wicker frameworks and would have been the logical stuff for construction, while the stones around the base held the timber in place as it was bent into a dome. These structures could also have been made of woven reeds, they are today in some parts of Asia. Furthermore, the probability of this increase as one realizes that the area surveyed was much swamplier in the past than it is today, thus supplying an abundance of reeds. North of Fort Collins, Colorado, these reeds can be seen partly petrified several feet below the present surface.

If these rings are the remains of dwellings, the fact that they are often located on mountain tops, ridges, and terraces, where they could be seen from miles away, could indicate that the "Ring Makers" had little or no fear of enemies. Perhaps during the "archaeological blank" there were long periods of time when the inhabitants of the area were undisturbed by hostile invasion.

As I stated earlier, not all of the stone circles are located upon the exposed wastelands. Many can be found in valleys and around springs and along streams, where there is considerable evidence of fire, though seldom within the rings themselves. But, since we are dealing with a long period of time, the rings on the exposed places and those in the sheltered places could easily have been made thousands of years apart, and therefore at different stages in the living habits of the "Ring Makers".
In a few places, about one in a hundred rings, the stones were laid down in a more or less square pattern. I have never found any of these squares in exposed places; they have always been in valleys and near a water supply. Some of these squares seem to be as old as the oldest rings, but some are recent and could be the remains of "pale face" tent sites. Sometimes these squares have a whole side missing and suggest a shed-like structure, the opening always being in an easterly direction.

In several places in the area mentioned, there are other small groups of smaller rings that do not seem to be like the larger rings. These suggest pit-houses and there is some evidence that they were. In these there is usually evidence of fire, and often a depression in the surface; these are nearly always four to six feet in diameter and produce more flint chips and artifacts that the larger circles.

The artifacts left by the "Ring Makers" have been almost entirely cleared from the surface by generations of souvenir hunters, and this makes it difficult to date these ancient people by the weapons and implements they left behind, though it seems to me that seriation studies by competent archaeologists could do much to place them in history. Perhaps, when many of these "tipi rings" have been excavated by archaeologists, enough material may be found to prove their ages and more definite clues may be discovered to explain what they really were and why the "Ring Makers" made them.

EDITOR'S NOTES

Permission to reprint "Symposium on Tipi Rings", Southwestern Lore, Vol. XXV, No. 4, March 1960, was granted by Mr. Dave Breternitz, Editor, and Mr. Owen Stewart, Executive Secretary. The three articles enclosed represent the thoughts of two professional archaeologists and one of Colorado's most knowledgeable amateur archaeologist.

From the controversial nature of Stone Circles, it is evident that much more work needs to be done. If such a project were made a basic chapter activity, everyone would benefit from this exercise in plane table mapping, and every member regardless of their acquired archaeological knowledge, could participate. Dr. Mulloy's Shoshone Basin Report has many plates showing reduced scale outlines of mapped circles.

On the following page are pictures of excavated stone circles.
Excavated Stone Circles from University Dig near Glendo, Wyoming

Circumference 35 ft. +

Circumference 30 ft. +

Stone Circles and Cover Photo by Lou Steege
A Very Unusual Rock Structure, Photographed by Mr. Ross Stapp, Superintendent and Chief Engineer of the Wyoming Highway Department, in 1935, five miles west of Shoshoni, Wyoming.
GEOLOGIC DATING OF SELECTED ARCHAEOLOGICAL
SITES IN THE ROCKY MOUNTAIN REGION*

Arthur G. Randall: Sunray DX Oil Company, Houston, Texas
Active Member, Casper Chapter, Wyoming Archaeological Society

ABSTRACT: Changes in the tools of early man in the Rocky Mountain region help provide a stratigraphic record that distinguishes between early, middle, and late Recent deposits and late Pleistocene sediments. Of the 43 selected sites studied, 13 were determined to be of late Pleistocene age (pre-10,000 ± y.o.**), 12 of early Recent (10,000 ± to 4,964 ± y.o.), 7 of middle Recent (4,964 ± to 1,964 ± y.o.), 8 of late Recent (1,964 ± y.o. to present), and three sites of questionable or undeterminable age. Pleistocene and Recent mammal bones are very useful in determining the age of these sites.

INTRODUCTION

Notable changes in the tools of early man in the Rocky Mountain region help provide a stratigraphic record that distinguishes between early, middle, and late Recent deposits, and between late Pleistocene sediments. In recent years accurate dates of many sites have been obtained from charcoal by utilizing the radiocarbon method. Of the 43 selected sites studied, 13 were determined to be of late Pleistocene age (pre-10,000 ± y.o.), 12 of early Recent (10,000 ± to 4,964 ± y.o.), 7 of middle Recent (4,964 ± to 1,964 ± y.o.), 8 of late Recent (1,964 ± y.o. to present), and three sites of questionable or undeterminable age.

Pleistocene and Recent mammal bones are very useful in determining the age of archaeological sites. The disappearance of the Pleistocene elephants and camels coincides with a widespread unconformity in the late Quaternary deposits of the Rocky Mountain region. For instance, Bison bison bones have been described from Recent sites while Bison taylori, Bison occidentalis, and Bison antiquus remains have been noted in late Pleistocene rocks.

LOCATION

The location of the selected 43 sites are scattered from southern Montana to southwest Texas (fig. 1) in a north-south direction and from central-northern Texas to southern Nevada in an east-west direction. It should be noted that the greatest concentration of sites are in the states of Colorado and Wyoming.

** y.o. (years old)
GENERAL INFORMATION

The age, as outlined in the following described sites, represents the oldest culture reported. In many instances several dates from various horizons within the site are available. Many, but not all, of the artifacts from various sites have been described. Anyone desiring more detailed information such as the number and type of artifacts should refer to the specific publication describing the site.

Figure 2 illustrates the typical projectile points of the Basin and Range province, Colorado Plateau, and the High Plains. Folsom, Sandia, Clovis, and Gypsum Cave projectile points are associated with late Pleistocene deposits while points varying in age from Scottsbluff to Harrell are found in early, middle, and late Recent beds.

In paleontology it is the faunal assemblage rather than any one particular fossil that is important; in archaeology it is the collection of associated traits rather than the individual artifact that is important. The more evidence available in a site containing artifacts the more accurate the dating. For instance, a site containing abundant charcoal, Bison tayloiri bones, and Folsom points would be much easier to date than a site yielding only scattered pottery fragments and rare projectile points.

SUMMARY AND AGE OF SELECTED ARCHAEOLOGICAL SITES

Thirteen of the selected sites studied have reported late Pleistocene
artifacts and mammal remains (fig. 3). For the purposes of this report late Pleistocene is pre-10,000 y.o. (Scott, 1963, p. 39). Quaternary deposits, age span, and history of life in the Denver area are shown in table 1.

Late Pleistocene (Wisconsin) Sites (pre-10,000 ± y.o.)

No. 1 - Whitewater Creek
Location: 12 miles northwest of Douglas in southeastern Arizona.
Age: 9,000 ± y.o.
Artifacts: Pottery was found of an approximate age of A.D. 1300. Stone artifacts represent the Sulphur Spring stage, Chiricahua stage, and the San Pedro stage.
Bones: Fish, mammoth, domestic cow and horse. Also bones of the extinct horse, camel, pronghorn antelope, and the dire wolf were found.
Remarks: Charcoal of hickory was noted at the five-foot depth. The proposed boundary between the Pleistocene and the Recent occurs between the three- and four-foot level.

No. 2 - Sandia Cave
Location: East of the City of Albuquerque, north end of Sandia Mountains in Las Huertas Canyon, New Mexico.
Age: 15,000 - 20,000 y.o.
Artifacts: Sandia points, Folsom-type artifacts, and pottery of early Spanish or pre-Spanish date (A.D. 1400-1600).
Bones: Horse, bison, camel, mastodon, mammoth, ground sloth, wolf, and bones of modern fauna.

No. 3 - A cave
Location: East slope of the Guadalupe Mountains, or 50 miles west of the City of Carlsbad, New Mexico.
Age: Late Pleistocene.

No. 4 - Ventana Cave
Location: 75 miles south of Phoenix, Arizona on the Papago Indian Reservation in the Castle Mountains.
Age: Late Pleistocene.
Artifacts: Folsom point, stone artifacts of the Chiricahua stage and San Pedro stage, and pottery.
Bones: Extinct horse, jaguar, sloth, four-horned antelope, tapir, and bones of modern mammals.

No. 5 - Gypsum Cave
Location: 20 miles southeast of Las Vegas, Nevada.
Age: 7,500 - 10,455 ± y.o. (dated by radiocarbon from dung).
Artifacts: Stone and wood artifacts; pottery with Puebloan artifacts. Bones: Bones and dung of sloth, camel and horse bones, and mountain sheep dung.
No. 6 - Clovis
Location: Between Clovis and Portales, New Mexico, near Texas-New Mexico border on Staked Plains.
Age: 10,000 - 15,000 y.o.
Artifacts: Clovis fluted points.
Bones: Mammoth, camel, extinct bison, and horse.

No. 7 - San Jon
Location: South of the Canadian River near San Jon, New Mexico.
Age: Late Pleistocene.
Artifacts: San Jon projectile points and Scottsbluff points.
Bones: Bison taylori and Bison bison.

No. 8 - Lindenmeier
Location: 28 miles north of Fort Collins, Colorado.
Age: 10,780 ± 375 y.o. (charcoal by radiocarbon dating).
Artifacts: Folsom material.
Bones: Bison and camel; fossil gastropod shells.
No. 9 - Folsom
Location: Eight miles west of Folsom, New Mexico.
Age: 9,000 - 11,000 y.o.
Artifacts: Folsom points.
Bones: Bison tayleri.

No. 10 - Scharbauer
Location: Near Midland, Texas.
Age: 11,000 y.o. (charcoal by radiocarbon dating).
Artifacts: Midland points.

No. 11 - Plainview
Location: Near Plainview, Texas.
Age: 9,000 ± y.o. (charcoal by radiocarbon dating).
Artifacts: Plainview point.
Bones: Extinct bison bones.

No. 12 - Hell Gap
Location: In Hell Gap Valley, approximately 20 miles north of Guernsey, Wyoming.
Age: 10,850 y.o. (charcoal by radiocarbon dating).
Artifacts: Several including the Hell Gap point.

No. 13 - Union Pacific Mammoth Pit
Location: 25 miles southwest of Rawlins, Wyoming
Age: 11,280 ± 350 y.o. (charcoal by radiocarbon dating).
Artifacts: A knife which resembles the Clovis point, graver, scraper, chopper, and chips.
Bones: Mammuthus columbi.

Early Recent Sites (10,000 ± to 4,964 ± y.o.)

No. 14 - Roxborough Park Site No. 1
Location: SE/4SE/4 sec. 11, T. 7 S., R. 69 W., Kassler quadrangle (1:24,000), Douglas County, Colorado.
Age: 5,780 ± 160 y.o. (charcoal by radiocarbon dating).
Formation: Pre-Piney Creek Alluvium.
Artifacts: Shallow-bowl metates, manos, projectile points, scrapers, choppers, and bone tools.
Bones: Ursus horribilis (grizzly bear), Odocoileus hemionus (Rafinesque) (deer).

No. 15 - Riverside
Location: Sec. 12, T. 6 S., R. 69 W., Littleton quadrangle (1:24,000), Douglas County, Colorado.
Age: Early Recent.
Formation: Eolian sand.
Artifacts: "Yuma" point found in basement excavation for a home.

No. 16 - Milnesand
Location: Three miles northeast of Milnesand, New Mexico.
Age: 5,960 - 8,960 y.o.
Artifacts: Milnesand point.

No. 17 - Angostura
Location: Angostura Reservoir near Hot Springs, South Dakota.
Age: 7,000 to 9,000 y.o.
Artifacts: Angostura point.

No. 18 - Agate Basin
Location: In Niobrara County between Lusk and Newcastle, Wyoming.
Age: 9,000 y.o.
Artifacts: Agate Basin points.
Bones: Bison bison.

No. 19 - Jimmy Allen
Location: South of Laramie, Wyoming.
Age: 7,900 y.o. (charcoal by radiocarbon dating).
Artifacts: Allen points.
Bones: Bison

No. 20 - Horner
Location: Four miles northeast of Cody, Wyoming.
Age: 6,900 y.o. (charcoal by radiocarbon dating).
Artifacts: Cody knives, Eden points, and Scottsbluff points.

No. 21 - Grey-Taylor
Location: West of Kaycee, Wyoming, on the east flank of the Big Horn Mountains.
Age: 3,900 to 9,600 y.o.
Artifacts: Meserve and McKeen points.

No. 22 - Sisters Hill
Location: Near Buffalo, Wyoming, in the foothills of the Big Horn Mountains.
Age: 9,600 y.o. (charcoal by radiocarbon dating).
Artifacts: Many artifacts of which the Hell Gap is the oldest.

No. 23 - Finley
Location: Near Eden, Wyoming.
Age: 7,000 to 9,000 y.o.
Artifacts: Eden points.
Bones: Bison.

No. 24 - Lamb
Location: Near Waterton, Douglas County, Colorado.
Age: 7,000 ± y.o.
Artifacts: Eden point.
Bones: Bison, mammoth, and camel.

No. 25 - Scottsbluff
Location: Near Scottsbluff, Nebraska.

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<thead>
<tr>
<th>SYSTEM</th>
<th>SERIES</th>
<th>STAGE OR SUBSTAGE</th>
<th>FORMATION</th>
<th>APPROXIMATE AGE SPAN IN YEARS</th>
<th>HISTORY OF LIFE</th>
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<td></td>
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<td>LATE</td>
<td>Post-Piney Creek alluvium</td>
<td>1,964 ± y.o. to Present</td>
<td>Historic - Upper Republican culture</td>
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<td>Prehistoric - ceramic Woodland culture</td>
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<td>MIDDLE</td>
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<td>LATE</td>
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<td>Pre 10,000 ± y.a.</td>
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**Table 1**

Age: 7,000 to 9,500 y.o.
Artifacts: Scottsbluff point.
Bones: Bison.

Middle Recent Sites (4,964 ± to 1,964 ± y.o.)

No. 26 - Cerro Pedernal
Location: Rito de los Encinos, of north-central New Mexico.
Age: Middle Recent.
Formation: Intermediate alluvium.
Artifacts: Stone artifacts.
No. 27 - McKean
Location: Keyhole Reservoir, which is northeast of Moorcroft, Wyoming.
Age: 3,500 to 4,000 y.o. (charcoal by radiocarbon dating).
Artifacts: McKean points.

No. 28 - Sweem-Taylor
Location: West of Kaycee, Wyoming, on the east flank of the Big Horn Mountains.
Age: 3,500 ± 50 y.o.
Artifacts: McKean and Jackass Ears points.

No. 29 - Mavrakis-Bentzen-Roberts Bison Trap
Location: Near Sheridan, Wyoming.
Age: 2,600 ± 200 y.o. (charcoal by radiocarbon dating).
Artifacts: Projectile points.

No. 30 - Little Bald Mountain
Location: Big Horn County, Big Horn Mountains, Wyoming.
Age: 1,500 to 3,000 y.o.
Artifacts: Projectile points.

No. 31 - Kaufmann Cave
Location: Near Ucross, Wyoming.
Age: 150 - 4,500 y.o.
Artifacts: Stone.

No. 32 - Powers-Yonkee Bison Trap
Location: Powder River County, Montana.
Age: 4,450 ± 125 y.o. (charcoal by radiocarbon dating).
Artifacts: McKean points.
Bones: Bison

Late Recent Sites (1,964 ± y.o. to Present)

No. 33 - Roxborough Park School Site No. 2
Location: NW/4NE/4 sec. 36, T. 6 S., R. 69 W., Kassler quadrangle (1:24,000), Douglas County, Colorado.
Age: Late Recent
Formation: Post-Piney Creek Alluvium.
Artifacts: Artifacts and pottery of the Woodland culture.
Bones: Camel, mammoth, horse and bison.

No. 34 - Roxborough Park Site No. 2
Location: SE/4SE/4 sec. 11, T. 7 S., R. 69 W., Kassler quadrangle (1:24,000), Douglas County, Colorado.
Age: 1,490 ± 160 y.o. (charcoal dating by radiocarbon).
Formation: Post-Piney Creek Alluvium.
Artifacts: Artifacts and pottery by the Woodland culture. Projectile points, scrapers, choppers, metates, manos, and bone awls.
No. 35 - Rainbow Creek
Location: NE/4SW/4 sec. 30, T. 7 S., R. 68 W., Kassler quadrangle (1:24,000), Douglas County, Colorado.
Age: 1,490 ± 160 y.o. (charcoal dating by radiocarbon).
Formation: Eolian sand.
Artifacts: Scrapers, manos, metates, projectile points resemble Upper Republican culture. Pottery of the Parker and Franktown focus of the ceramic Woodland Culture.
Bones: Leg bone of mule deer.

No. 36 - Jarre Creek
Location: NW/4NW/4 sec. 4, T. 8 S., R. 68 W., Kassler quadrangle (1:24,000), Douglas County, Colorado.
Age: 900 ± 230 y.o. (charcoal dating by radiocarbon).
Formation: Loess.
Artifacts: Pottery and stone artifacts of the ceramic Woodland culture.

No. 37 - Dutch Creek
Location: NW/4 sec. 27, T. 5 S., R. 69 W., Littleton quadrangle, Jefferson County, Colorado.
Age: 1,490 ± 160 y.o. (charcoal dating by radiocarbon).
Formation: Post-Piney Creek Alluvium.
Artifacts: Artifacts of ceramic Woodland culture.

No. 38 - Alpine
Location: Trans-Pecos region of southwest Texas.
Age: 860 ± y.o.
Formation: Calamity.

No. 39 - Brown-Weiser
Location: Natrona County, Wyoming, in the Big Horn Mountains.
Age: 450 ± y.o.
Artifacts: Several, of which the Harrell point is included.

No. 40 - Medicine Wheel
Location: Northern Big Horn Mountains, Big Horn County, Wyoming.
Age: 200 y.o. (dating by dendrochronology).
Artifacts: Very rare - only pottery fragments.

Questionable or Undeterminable Age

No. 41 - Roxborough Park School Site No. 1
Location: NW/4NE/4 sec. 36, T. 6 S., R. 69 W., Kassler quadrangle (1:24,000), Douglas County, Colorado.
Age: Middle Recent?
Formation: Piney Creek Alluvium.
Artifacts: Metate.
Bones and fossils: Bison bison and Mollusk shells.
No. 42 - Lee
Location: 50 miles north of Casper, Wyoming in Natrona County, sec. 33, T. 41 N., R. 80 W.
Age: 1,020 ± 86 y.o. at 42 inch level (charcoal dating by radiocarbon). Believed to be much older at the 96 inch or lowest level.
Artifacts: Projectile points, scrapers, fleshers, drills, awls, knives, hammer stone, blade, shaft smoother, pestle, spoke shave, and pottery fragments.

No. 43 - Muddy Creek
Location: North of Riverton, Wyoming
Age: Recent.
Formation: Sand dunes.
Artifacts: Scrapers, grinding stones, and hearths.

REFERENCES CITED


Manuscript received April 23, 1964.
PHANTOM GHOSTS OF THE LARAMIE MOUNTAIN RANGE COUNTRY

By G. A. Bedish, Jr., Cheyenne Chapter Member

If I were asked to capture and measure a rainbow, I would try ultimately to control a rate of change of a measure of a happening of such a formation. Then, I would try to locate where the condition would exist - to be there ahead of such phenomena - while a rainbow formed about me. A happy man would I be, for I would have set myself apart with Nature!

While it is doubtful that I would ever succeed in doing the aforementioned, it perhaps explains some part of my feelings when I stumbled upon this ancient cairn near Cedar Hill.

Constructed of primitively, masoned rock, the cairn had been erected from a circular plan, sloped upward from 75 degrees to 80 degrees. No revetment held up the receding sides.

I peered inside through several openings near the bottom of this mysterious structure. There, I noticed remains of what might have been red ochre, (F) with a yellow-beige ochre, at varying locations about the sides. Underneath, upon the base rock, appeared a number of bluish-creme cast skeletal members, (D) of apparently mineralized condition. The members seemed to me of a human origin, but smaller when compared to those of present man. Possibly the bones were those of a child.

To the far side was a mineralized skeleton of an animal that might have resembled a common cat of today. (C)

Near the center of the base rock, there appeared a fused, hardened pool of yellow-beige ochre. (D) Immediately south, a dark pool resembling hardened varnish remained.

Some other skeletal members, though not enough to make up a torso, lay scattered throughout the area close to the base.

No leg bones, skull, mandible, or teeth seemed present. A skeleton like that of a rabbit lay near the south side. Due to a removal of some 3 to 4 rocks from the south side it is in my thought the cairn might have been rifled at some remote period.

I was most deeply impressed at the time regarding the make-up of the cairn with the enclosed compartments which comprised the form of capping that was left by the humans who constructed the cairn. The drawings show this as well as I can remember, and perhaps the capping should be most significant; tableau capping, perhaps, or of practical significance?
GEOLOGY: The land about the cairn is bordered with badly eroded hills. It is a land of transition from fair sized benches to mountains. Deep ravines are present. As is known, great outcroppings were thrust out and upward from the surface in the Laramide Revolution of the Late Holocene to create what is the Laramie Range.

Ice fields of the Mankato, Late Pliocene epoch, failed to enter the region. It could be safe to say little disturbed the land except flooding and storms. Gravel deposits, varying in depths, are found in the region.

Spring-fed North Elkhorn Creek lies about three fourths of a mile north and, 150 to 200 feet below where the cairn then stood.

HISTORY: Just 20 to 35 miles northeast lie the Spanish Diggings, and an area containing countless stone quarries. There, Paleolithic North Americans extensively mined cryptocrystalline quartz and fine grained quartzite, which these highly skilled tool makers found would most readily flake. The famous hematite mine at Sunrise was first a source of red ochre for these men.

In January of 1966, I retraced steps to North Elk Horn Creek, determined to take photographs and careful measurements. Even though I had removed a bison femur from a ravine side to take out with me; I was unable to relocate either where I had dug, or, where the cairn had stood. Only a few flint and flint-quartzite implements have I found in subsequent searches. This poem best expresses what had happened.

The hills are shadows, and they flow
   From form to form and nothing stands;
They melt like mist, the solid lands,
   Like clouds they shape themselves and go.

   - Author unknown

CONCLUSION: It is extremely difficult to account for erection of such a cairn without mortar. I have found no archaeological confirmation which could account for the "apparition". An apparition, however, that I have put my hands upon; seen where lichens closed over some of the rock joinings; and, observed where the uneven slabs weathered and settled into one another with the passage of many, many years.

June 14, 1965, a severe flooding ravaged the region. Several days later, tornado funnels were reported to have lashed the vicinity. Apparently, the site has for the greater part, been destroyed.
SAMPLE ARCHAEOLOGICAL BILL

AN ACT to create an Archaeological Survey of the State of Wyoming and Archaeologist; to designate the purpose of the Archaeological Survey; to outline its powers and duties; to provide for an Advisory Board of the Archaeological Survey; and to provide for an appropriation.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WYOMING:

Section 1. An Archaeological Survey of the State of Wyoming is hereby created. The office and headquarters of this Survey shall be in the Department of Anthropology of the University of Wyoming.

Section 2. The functions of the Archaeological Survey shall be:

1. To investigate, study, preserve and record such evidence of prehistoric and early historic human activity as shall be reported from time to time by citizens of the State or of which the survey may otherwise become aware.

2. To begin and carry out as time permits an archaeological survey of the State, locating and recording all evidences of prehistoric and early historic human activity that may be encountered and maintaining records in the form of filed maps and documents deposited permanently at the University of Wyoming.

3. To engage in systematic, intensive archaeological investigations of significance to the reconstruction of the prehistory and early history of the State as time and facilities permit and to solicit funds for this work from the various public and private foundations and other
sources generally available to the field archaeologist.

4. To prepare and publish from time to time technical reports bearing on the investigations carried out and or of significance to the re-construction of the prehistory and early history of the State.

5. To cooperate to the extent of capacity with communities and other agencies in the State interested in the establishment of local archaeological museums and related activities.

6. To cooperate with all agencies to the extent of capacity in the protection from vandalism, natural and other kinds of destruction of all objects of archaeological significance and to render aid in the enforcement of the Wyoming Antiquities Act.

7. To cooperate to the extent of capacity with the Wyoming Archaeological Society, this Society being a voluntary group of public spirited Wyoming citizens organized and dedicated to increased understanding of the prehistory and early history of Wyoming and the preservation of objects of antiquity as part of the cultural heritage of the State; such cooperation to consist of such activities as using survey field activities to further technical training of Society members, offering technical advice and supervision when needed in the carrying out of Society investigations and in the preparation of their reports for publication, and offering aid in the establishment of local Society museums.

8. To distribute all publications of the Survey to the public on request, either free or at a price to be determined. All monies realized from sale of said publications shall be paid into the treasury of the State as part of the funds of the Survey.
9. To adopt, with the approval of the Advisory Board, such rules and regulations concerning the conduct of archaeological studies and research within the State of Wyoming as may be deemed to be in the best interest of the people of the State.

Section 3. There shall be an Advisory Board of the Archaeological Survey of Wyoming which shall consist of the Governor, the President of the University of Wyoming, the Chairman of the Department of Anthropology at the University of Wyoming and the State Archaeologist.

Section 4. The President of the University of Wyoming, with the approval of the Board of Trustees of the University and the Advisory Board may appoint a State Archaeologist to serve as executive of the Survey. This position shall be constituted as a research professorship in anthropology within the Department of Anthropology at the University of Wyoming.

Section 5. The State Archaeologist must be a person with an advanced degree in anthropology with a specialization in North American Archaeology and such other qualifications as may be determined by the President of the University and the Advisory Board.

Section 6. The field investigations, preparation of publications and all other executive functions relating to the above listed duties of the Survey shall be under the supervision and direction of the State Archaeologist. He shall prepare and submit an annual report of all operations and work performed in connection with said Archaeological Survey.

Section 7. All materials and specimens collected, having served the purpose of the Survey, shall be cataloged and preserved in the study
or exhibition collections at the University of Wyoming provided that
duplicates may be distributed to various scientific and educational
institutions under such regulations as the Advisory Board shall formulate.
Section 8. The Survey, with the approval of the Advisory Board,
is hereby authorized to cooperate with the Smithsonian Institution,
other archaeological research institutions, other departments of the
State of Wyoming, the University of Wyoming and scientific institutions
in projects that will further the purpose of said Survey.
Section 9. As part of his work, under the provisions of this act,
the State Archaeologist may organize, from among the students of the
University of Wyoming who are pursuing courses of study in anthropology,
field expeditions to carry out the work of the Survey herein provided
for, using only such students as are sufficiently advanced in their
courses of study to be able to perform the work required. Funds for
such work, will be obtained from public and private foundations normally
available for archaeological field work.
Section 10. The cost of implementing the provisions of this act
will be borne by the University of Wyoming and are specifically included
in the current budget request.
### 1966 Membership List

#### Casper Chapter Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City, State</th>
</tr>
</thead>
<tbody>
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#### Cheyenne Chapter Members

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<tbody>
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<td>Hart, Ann E.</td>
<td>P.O. Box 393</td>
<td>Cheyenne, Wyo.</td>
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<td>Lane, Richard B.</td>
<td>2101 Cheyenne Place</td>
<td>Cheyenne, Wyo.</td>
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-30-
Cheyenne Chapter Members (Continued)

LaRue, Joe 5044 Greybull Ave.
Lloyd, Major Henry 98 - 5th Ave.
Love, David 309 South 11th St.
Martin, Mr. & Mrs. Richard 2706 East 10th St.
Meadow, Richard H. Peabody Museum
Moritz, Mr. & Mrs. Joe Harvard University
McLoughlin, C. M. 4519 E. 14th St.
McPhee, Robert D. 1931 Hudson
Oram, Robert P.O. Box 415
Paulley, Mr. & Mrs. David 531 Dartmouth Lane
Paulley, Mr. & Mrs. Gordon Box 96
Phipps, Mrs. Mary P.O. Box 38
Porter, Mr. & Mrs. Wade 5116 Syracuse
Rayko, Mr. & Mrs. Charles 3307 East Ave. H-6
Roman, Dorothy 808 East 5th St.
Schoondermark, Dr. & Mrs. A.H. 826 West Myrtle
Shupe, Mr. & Mrs. Alton 4720 Moran Ave.
Sigler, Mrs. and Donald P.O. Box 3043
Stegee, Mr. & Mrs. L. C. 118 East 2nd Ave.
Thobro, Clayton 1015 South 6th St.
Towns, Harold Meridan Route Box 200
Vowers, Mack 602 S. Howard St.
Wheeler, Gary 1605 East 16th St.
Widholm, Milton 404 East 18th St.
Willson, Grant 1915 East 15th
Wunicke, James 1712 Capital Ave.
Yelvington, Julia A. 1808 East 19th

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Breece, Mrs. Edward 291 Cascade
Brownell, Sam 219 Custer
Campbell, Don W. Riverview Route
Cook, Albert C. c/o Dry Creek Ranch
Iverson, Mrs. Lorene Gas Hills *Route, 4003
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Geslin, Mr. & Mrs. Howard 715 N. 2nd West
Groves, Clarice 269 Eugene
Hawkins, Ora 266 Washington
Holt, Even
Insberg, Richard & Judy
Johnson, Mr. & Mrs. Kenneth
Lembke, R. & Mrs. Carl
Lookingbill, Helen
Mann, LaVerda
Martinson, Mr. & Mrs. Kenn
Milburn, Kenneth
Miller, Geneva

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Pine Bluffs, Wyo.
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Denver, Colo.
Rawlins, Wyo.
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Osage, Wyo.
Bushnell, Nebr.
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Lancaster, Calif.
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Big Piney, Wyo.
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Burris, Wyo.
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Lander, Wyo.
Pt. Washakie, Wyo.

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Fremont Chapter Members (Continued)

Miller, Mr. & Mrs. Norman 1105 Fairview Drive Riverton, Wyo.
Morgan, Irene 245 Washington Lander, Wyo.
Ribble, Mr. & Mrs. Norbert G. 362 Popo Agie St. Lander, Wyo.
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Wheeler, Dale (Breezy) 245 Custer Lander, Wyo.

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Nelson, Walter & Raymond Route #2 Cody, Wyoming
Slaughterbeck, Charles R. Byron, Wyoming
Stevens, Mr. & Mrs. Verne Box 559 Cody, Wyoming
Tyrell, Mr. & Mrs. Joe 156 East 6th Lovell, Wyoming
Weimer, Ruby Belfry, Mont.

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Carbone, Mr. & Mrs. Gerald 1036 South Main Sheridan, Wyo.
Carlson, Elizabeth Anne 1510 S.E. 46th St. Lacey, Wash.
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Davis, Rev. Leo E. 850 Gladstone Sheridan, Wyo.
Deininger, Anita W. 266 East Bennett St. Buffalo, Wyo.
Eckerson, Don Buffalo, Wyo.
Flesher, Virgil H. 100 Rice Ave. Big Horn, Wyo.
Frison, R. E. 577 North Burritt Sheridan, Wyo.
Fry, Mr. & Mrs. Gary R. Box 60, Route 2 Buffalo, Wyo.
Eads, Mrs. Grace 911 Emerson St. Sheridan, Wyo.
Galloway, Eugene 338 West Holland Buffalo, Wyo.
Goodwater, Albert P.O. Box 94 Dayton, Wyoming
Goodwin, Mr. & Mrs. James Route 1 Sheridan, Wyo.
Hamilton, Mrs. Pat Parkman, Wyo.
Heaton, Glenn Route 1 Sheridan, Wyo.
Hilman, Mrs. Fred Buffalo, Wyo.
Hilman, Mr. & Mrs. Zane Route 1 Sheridan, Wyo.
Hoffman, Carl C., M.D. V. A. Hospital Sheridan, Wyo.
Klieber, Mr. & Mrs. Hans Dayton, Wyoming
Kuzma, John and Mrs. Sheridan, Wyo.
LaTouche, Louis W. & Mrs. Dayton, Wyoming
Lupton, Mr. & Mrs. Ned Sheridan, Wyo.
Sheridan Chapter Members (Continued)

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<td>Nelson, Mr. &amp; Mrs. Harry</td>
<td>17 North Badger St.</td>
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<td>Meadow Brook Ranch</td>
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<td>Reed, Harry</td>
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<td>Stevens, Mrs. H. C.</td>
<td>237 Coffeen Ave.</td>
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<td>Warner, Mr. &amp; Mrs. O. R.</td>
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<td>White, Mrs. Clara</td>
<td>P.O. Box 58</td>
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<td>Wolfe, Margaret E.</td>
<td>704 Gladstone</td>
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<td>Worden, Mrs. Helen</td>
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<td>Yost, Mrs. Charles</td>
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Sweetwater Chapter Members

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<td>Armstrong, Ralph J.</td>
<td>P.O. Box 12</td>
<td>Opal</td>
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<tr>
<td>Bozovich, Joe</td>
<td>811 Ridge Ave.</td>
<td>Wyoming</td>
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<tr>
<td>Delling, Mr. &amp; Mrs. D.R.</td>
<td>P.O. Box 442</td>
<td>Rock Springs</td>
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<td>Evans, Lillian S.</td>
<td>P.O. Box 864</td>
<td>Wyo.</td>
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<tr>
<td>Graves, Mr. &amp; Mrs. Leon</td>
<td>P.O. Box 381</td>
<td>Rock Springs</td>
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<tr>
<td>Hansink, James D.</td>
<td>118 Topaz St.</td>
<td>Wyo.</td>
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<tr>
<td>Krmptoch, Jack</td>
<td>1226 Clark St.</td>
<td>Rock Springs</td>
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<tr>
<td>Larson, Mr. &amp; Mrs. R. L.</td>
<td>1005 Wyoming Ave.</td>
<td>Wyo.</td>
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<tr>
<td>St. John, Markley &amp; Myrtle</td>
<td>P.O. Box 191</td>
<td>Rock Springs</td>
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<td>Strain, Jack F.</td>
<td>1910 Coral St.</td>
<td>Wyo.</td>
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<td>Tolar, Mr. &amp; Mrs. Matt</td>
<td>815 Rugby Ave.</td>
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<td>Vase, Chris</td>
<td>214 Virginia St.</td>
<td>Wyo.</td>
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<td>Weber, Maybelle</td>
<td>216 Liberty St.</td>
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<td>Willoughby, Franklin</td>
<td>1028 Sixth St.</td>
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Associate Members

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<tr>
<td>Barlow, William</td>
<td>Box D-419, Barlow Rte.</td>
<td>Gillette</td>
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<td>Bruner, C. L.</td>
<td>627 - 20 Road</td>
<td>Wyo.</td>
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<td>Eddy, Mrs. Deborah</td>
<td>277 Cedar St.</td>
<td>Grand Junction, Colo.</td>
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<td>Hagerman, William D.</td>
<td>432 W. Works St.</td>
<td>Newington, Conn.</td>
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<tr>
<td>Kennedy, Donald</td>
<td>1105 S. Douglas Ave.</td>
<td>Upton, Wyo.</td>
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<tr>
<td>Mann, Mrs. John</td>
<td>3625 Garden Creek Road</td>
<td>Sheridan, Wyo.</td>
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<tr>
<td>Nash, Mrs. Don A.</td>
<td>406 Buckeye</td>
<td>Urbana, Ill.</td>
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<td>Parsons, Mr. Orville</td>
<td>Gas Hills Sta., Box 5067</td>
<td>Casper, Wyoming</td>
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<td>Perkins, Mr. C. P.</td>
<td></td>
<td>Ft. Collins, Colo.</td>
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<td>Poage, Bill</td>
<td>221 Kelsey Ave.</td>
<td>Riverton, Wyoming</td>
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<td>Robinson, Robert</td>
<td>146 North Burritt Ave.</td>
<td>Salt Lake City, Utah</td>
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<td>Sand, William A.</td>
<td>2180 St. Francis Drive</td>
<td>Buffalo, Wyo.</td>
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<td>Thorby, Miss Jean A.</td>
<td>Forks Ranch</td>
<td>Ann Arbor, Mich.</td>
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<td>Visborg, Mrs. Al T.</td>
<td>Gas Hills Rte., Box 4040</td>
<td>Decker, Montana</td>
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<td>VonHoldt, Richard</td>
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Hays, Irving, Mrs. & Leonard Hilman, Fred
Kehoe, Thomas F.
Medicine Crow, Joe
Mulloy, Dr. William T.
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300 Blair St.
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1357 Broadway
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Wayne State Univ.
P.O. Box 258
405 Pearl
P.O. Box 394
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P.O. Box 929
Roberts at 5th Ave.
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8326 Edgemoor Drive
6 Cohasset Circle
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Fay, Dr. George
Effigy Mounds Nat’l Mon.
Greeley, Colo.

Iowa Archaeol. Society
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McGregor, Iowa

Oregon Archie. Society
Museum of Natural Hist.
Eugene, Oregon

Saskatchewan Arch. Newsletter
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University S. Dakota
Vermillion, S. Dak.

Utah Archaeology
University of Utah
Salt Lake City, Utah

Broken Pottery Dept.

Just have to do something about these "Pot-Hunters!"
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