

# The Midden

Vol. XIX, No. 1

February 1987



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# The Midden

## Publication of the Archaeological Society of British Columbia

**Editor:** Kathryn Bernick

**Subscriptions and Mailing:** Toni Crittenden

**Submissions** and exchange publications should be directed to the Editor. Contributions on subjects germane to B.C. Archaeology are welcomed: maximum length 1,500 words, no footnotes, and only a brief bibliography (if necessary at all). Guidelines available. Telephone inquiries: 873-5958.

The next issue of *The Midden* will appear mid-April, 1987.

**Contributors this issue:** Don Bunyan, Knut Fladmark, Gladys Groves, Grant Keddie, Phyllis Mason, Yvonne Prudek, Cathy Purs, Hilary Stewart.

**Production assistance:** Phyllis Mason.

**THE COVER:** *Antler comb excavated from the Maplebank Site in Esquimalt Harbour. Length: 10.4 cm. DcRu 12:3700. BCPM Photo.*

**Subscription** is by membership in the A.S.B.C., or \$10.00 a year (5 issues). Overseas \$12.00 a year. Check or postal money order in Canadian funds payable to the A.S.B.C. Address to: *Midden* Subscriptions, P.O. Box 520, Station A, Vancouver, B.C. V6C 2N3.

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## The Society

The **Archaeological Society of British Columbia** is dedicated to the protection of archaeological resources and the spread of archaeological knowledge.

**Meetings** featuring illustrated lectures are held on the second Wednesday of each month (except July and August) at 8:00 p.m. in the Vancouver Museum Auditorium. Visitors and new members are welcome!

### COMING TOPICS:

March 11 To be announced.

April 8 Dr. Gary Coupland: Point Grey excavation;  
Kathryn Bernick: Point Grey public program.

**President:** Colin Gurnsey (980-7429)  
**Vice President:** Helen Smith (224-1426)  
**Membership Secretary:** Molly Hay (738-1095)

**Membership** year runs September 1 - August 31. Fees: single - \$17.00; family - \$20.00; senior citizen - \$12.00; student - \$12.00. Membership includes *Midden* subscription. Address to: A.S.B.C. Membership Secretary, P.O. Box 520, Station A, Vancouver, B.C. V6C 2N3.

**Affiliated Chapters:** Fraser Valley, Kitimat, Victoria.

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# Prehistoric Antler Carvings

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by Grant Keddie

*THIS ARTICLE DESCRIBES* two previously unpublished prehistoric antler carvings from the Maplebank Site (*DcRu 12*) in Esquimalt Harbour, near Victoria, Vancouver Island. Anyone interested in prehistoric Northwest Coast art and in reconstructing past ways of life will find in this type of artifact a wealth of information.

Both specimens are made from sectioned pieces of the main beams of elk antler.

**FEMALE FIGURE.** This figure was found eroding from the shell midden by Harlan I. Smith in 1933, while on a short visit with Charles Newcombe to the Maplebank Site.

Its similarity to small carvings found in shamans' graves on the northern Northwest Coast suggests that it might be a decorative or ritual object used by a shaman. The figure appears to be wearing a headdress. The facial markings are reminiscent of facial tattoos reported for Cowichan women. The posture, with open hands held in front of the body, is also found on other carvings from the Northwest Coast. This hand-posturing may represent a shamanistic ritual.

Alexander Caulfield Anderson of the Hudson's Bay Company made an interesting observation in the early nineteenth century that could explain the posture of the Maplebank figure:

"The sage or medicine man, if consulted, extends his hand palm foremost alternately to different quarters, carefully smelling his hand



*Antler carving found at the Maplebank Site by H.I. Smith in 1933 and photographed by Charles Newcombe. Present location of artifact unknown; dimensions unknown (probably about 10 cm high). Photo: Anthropology Collections, BCPM.*

each time, and pretends by such means to indicate the proper direction of the lost article, the enemy, or game, as the case may be" (quoted in *Indian Tribes of British Columbia* by James Robert Anderson. Additional Manuscript No.1912, Provincial Archives of British Columbia).

**ANTLER COMB.** This type of comb (see cover) was used on human hair. It may also have been used for dressing dog hair used in weaving blankets, or for processing other plant and animal fibres.

The specimen was recovered during my excavation of the Maplebank Site in 1976. It was found near the bottom of Zone B and is associated with a date of A.D. 640 (1310±70 B.P., WAT #1618). This middle zone of the site has a time range from A.D. 430 to A.D. 870, based on six radiocarbon date estimates.

The specimen is carved only on one side; the lower jaw is partly broken.

The animal-like head, human-like body, and the posture of the figure suggest that it may represent a transformation being, that is, a supernatural creature in transition between

animal and human forms. Such transformations were enacted by masked dancers in the historic period.

Although I find it tempting to speculate that the figure represents a masked dancer, we have to consider that the idea of transformation may have some significance connected to the comb, independent of acts related to a dancing ceremony.

The animal head represented could be considered a wolf, a dog, a deer, or even a mouse. (The similarity of the posture of this creature to a more obvious wolf-like comb from the Prince Rupert area is intriguing.) If the head represents a dog, and the comb is associated with the process of making blankets composed partly of dog hair, the transformation figure could symbolize the transformation of dog hair into human clothing, or of dog hair into wealth.

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*ASBC member Grant Keddie, an archaeologist at the British Columbia Provincial Museum, is researching prehistoric cultures on the southern tip of Vancouver Island.*

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## **SHOW TIME / Current Exhibits:**

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### **Vancouver Museum**

*TREASURES OF THE MIDDLE KINGDOM* — artifacts from China including 25 National Treasures; to March 31, 1987.

### **Vancouver Maritime Museum**

*IN SEARCH OF THE MARY ROSE* — underwater shipwreck recovered; to May 1, 1987.

### **UBC Museum of Anthropology**

*GRECIAN URNS: POTTERY FROM THE ANCIENT GREEK WORLD* — 40 vases dating from the 4th to 8th centuries B.C.; until March 8, 1987.

*ASBC presidents (left to right: Colin Gurnsey, Ron Sutherland, Bill Lane, Marie Duncan, Don Bunyan, Helmi Braches).*



## **ASBC celebrates 20 years**

ON AUGUST 24, 1966 a letter was sent to some 70 people who had attended a short summer lecture series at UBC on archaeology, given by Dr. Roy Carlson, inviting them to a meeting with a view to forming a group to study archaeology. So short was that series, in fact, that it consisted of two lectures one week, a field trip to a dig on Gabriola Island on the Saturday, and two more lectures in the week following. As a result of that letter from Alec Ennenberg, and because of the great interest arising from the lectures, the Archaeological Society of British Columbia was founded on September 4th. Twenty years later the event was celebrated by the Society on December 4, 1986.

Many members—original and new—came together to relive the highlights of the past 20 years and to renew friendships made at meetings, digs, and field trips. President Colin Gurnsey introduced past-presidents Ron Sutherland, Bill Lane, Marie Duncan, Don Bunyan, and Helmi Braches. Armed with the commemorative trowels each had received after their two years' service (with the exception of Ron who had one in each hand for the two

occasions he has been president), they proceeded to cut a large, appropriately decorated cake. Both Alec Ennenberg, our first president, and Dr. Carl Borden, our long-time mentor, who had been honoured at our 10th anniversary, have since died, and unfortunately past-presidents Nick Russell, Sheila Neville, and Shirley (Veale) Wallace were unable to attend.

Other members who couldn't be with us but who sent warm greetings are Barbara Adams of Kelowna, Mable and Harold Cliffe of Gabriola, Ken Campbell of West Vancouver, Robert and Elizabeth MacLeod of Saltspring Island, Stephanie (Bowes) Manson of Victoria, and Annemarie Dahlke of Saltspring.

Among the guests were former members and associates, Mr. and Mrs. Alan Lever, Bjorn Simonsen, Art Charlton, and Ardyth Cooper.

Members at the reception ranged in age from Hugh Kendall, 16 weeks, to Gwen Leigh, 87 years (and still taking an active interest in archaeology). With the potential and enthusiasm typified by these two, the future success of the Society should be secure. □

- G. Groves

## **Trust changes jobs program**

*THE BRITISH COLUMBIA* Heritage Trust abolished its Summer Student Employment Program in favour of community-oriented year-round projects.

Cliff Hewitt, Heritage Trust Program Manager, told *The Midden* that those hired under the new program need not be students, but that the salary rates will be set as for the former Student Employment Program (\$1,300-\$1,400 per month). Seventy percent of the grant can be used for salaries; the remaining 30% can go toward supplies, services, and presentation (report).

Grants under the new Community Heritage Development Projects program, Hewitt said,

must be supplemented with money from another source—by at least 25% of the grant amount. Thus, in order to receive the maximum award of \$8,000, the sponsoring organization must come up with another \$2,000 for the project.

Hewitt expects that the first Community Heritage Development Projects awards will be given out in April of this year and that there will be 20-25 projects operating at any one time. He said that there will not be quotas or priorities for any type of project.

Guidelines for the new program and for revised existing Trust programs will be available soon. □

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## **Adventures in archaeology**

*IF YOU DON'T HAVE CHILDREN*, borrow some and take them to Victoria on April 11. That's Archaeology Day at the British Columbia Provincial Museum. The innovative program, designed for 7-12 year-olds, promises to be educational and fun for everyone.

Children—who must come dressed as they think archaeologists dress when going into the field—will lead their family group on an "expedition" into the wilds of Beacon Hill Park. They have to bring their own equipment, including a knapsack, baggies, hand lens, etc.

An archaeologist, in appropriate costume, will give each group a brief orientation and send them on to a series of five stations in the park. These will represent different types of data—geology, soils, paleobotany and zoology, as well as burial cairns and the Finlayson Point village/fortification site. Soil samples, animal bones, etc. will be given out at the field stations to take to the lab for identification.

In the Museum another six stations will expose participants to the analysis process—site

types, artifact types, human skeletal remains, faunal remains, radiocarbon dating, "blood on stone." Each stop will address one or two points through hands-on activities.

The program will end in a "project house" with demonstrations of tool-making and other activities. These will emphasize archaeology in native oral tradition as well as archaeology as science.

Details are still in the planning stage. Additional features might include a mock tent camp showing how archaeologists live in the field, and an enactment of halting a construction project that is about to destroy an archaeological site.

The program is free of charge. It is scheduled to operate from 10 am to 4 pm, Saturday, April 11, 1987 ("expeditions" will set off every 10 minutes until noon). There will be an option to by-pass the field portion and go directly into the "labs."

For further information phone Kevin Neary 387-2955 or Jim Haggarty 387-5576. □

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## TRAVEL TIME / Tours & Excursions:

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### UBC Museum of Anthropology

*THE ARCHAEOLOGY OF OZETTE: A WEEKEND ON THE OLYMPIC PENINSULA* — a three-day field trip to see the Ozette wet-site and the Makah Cultural Centre museum in Neah Bay which houses artifacts excavated from the site. Instructor: Dr. David Pokotylo. April 10-12, 1987. Cost: \$285 (includes orientation lecture). Inquiries: 222-5237.

*ARCHAEOLOGICAL INSTITUTE TOUR TO LOS ANGELES* — a three-day tour to Los Angeles area museums, focussing on a special exhibition of antiquities from Israel at the Los Angeles County Museum of Art. Coordinator: Dr. Hector Williams. April 24-26, 1987. Cost: about \$470. Inquiries: 228-4059.

### Hummingbird Nature Tours

*HUNTERS OF THE SACRED WHALE* — a four-day field trip to the west coast of Vancouver Island (Tofino, Long Beach, Meares Island, Clayoquot Sound) to explore the natural environment and its relationship to native culture. Tour leader: Robin Tagles. April 25-28, 1987. Cost: \$445. Inquiries: 467-9219.

*THOSE WHO CALLED THE BUFFALO* — a nine-day tour of archaeological sites in Alberta, Montana, and Saskatchewan (buffalo jumps, rock art, medicine wheels). Tour leaders: Michael Sather and Plains archaeologist John Brumley. June 6-14, 1987. Cost: \$1075 (from Calgary). Inquiries: 467-9219.

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## Dugout Canoe Raffle

Three Clayoquot canoe-makers have donated a dugout canoe for a raffle to raise money for the Meares Island Legal Defense Fund. The dugout is 18 feet long, hand-carved from a single cedar log on Meares Island.

Raffle tickets for this traditional canoe cost \$3.00 each. When 10,000 have been sold the draw will take place. A somewhat smaller dugout was won by a Tofino resident last year in a similar raffle. Tickets and more information are available from the Clayoquot Band Office, P.O. Box 18, Tofino, B.C., V0R 2Z0. Tel. 725-3233.



# Two Atlatl Weights from the Southern Interior

By K. R. Fladmark

*THE FOLLOWING* is a brief note on two stone atlatl weights from the southern Interior Plateau of British Columbia. Although there is little information about the age or cultural context of these finds, they are worth reporting because of the rarity of such artifacts in the province.

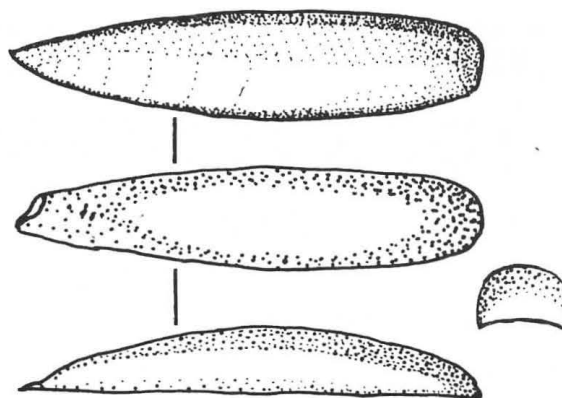
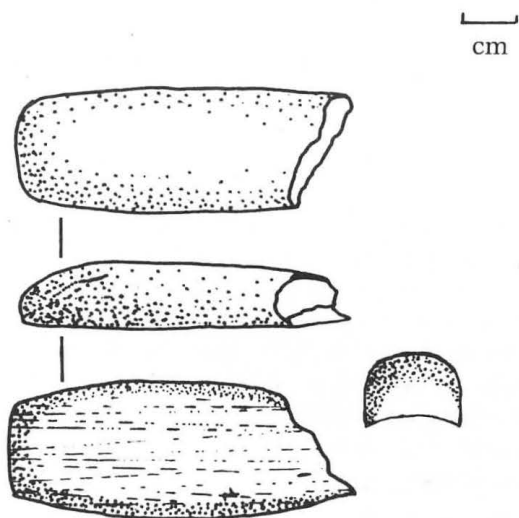
In the summer of 1958, a 13-year-old junior high school student spent a week with his family at Cedar View Cabins Resort on the east shore of Mara Lake, which is part of the Shuswap Lake system. Impressed by a collection of Indian artifacts held by the resort owners and having read that similar things were sometimes found in caves, he spent a few days innocently digging a hole in front of the entrance of a small, nearby cave, or rockshelter, with a spade and garden trowel. Among other artifacts, he discovered two unusual ground stone objects. Eventually this collection was donated to the University of British Columbia, where Dr. Charles Borden identified the ground stone specimens as atlatl weights.

An atlatl (spear thrower) is a simple device used to increase the force of a thrown spear by lengthening its arc of thrust. Such weapons were widely used everywhere in the world before the

advent of the bow and arrow. In Mexico, parts of coastal Alaska, and a few other regions they continued to be employed until the arrival of European firearms. Stone atlatl weights were sometimes fastened onto the shafts of North American spear throwers to improve their balance and force of thrust.

In early May of 1968, David Archer and I visited the Mara Lake site (by then designated *EeQs 1*), with the encouragement of Dr. Borden, in the hope of determining the original stratigraphic context of this small collection. With the permission of the landowner we trowel-excavated a single, small test pit encompassing the earlier hole directly in front of the granite bedrock. This was sufficient to indicate that the atlatl weights had probably originally been associated with a layer of sand, fine gravel, and wood-ash at a depth of about 40 cm below the surface. In turn, this zone directly overlays an unknown thickness of culturally sterile orange-yellow sand and gravel, probably originally deposited as the beach of a higher lake-level. Unfortunately, our excavation revealed no additional noteworthy artifacts, nor any dateable charcoal samples.





*Drawings by Catharina Purs.*

The more complete of the two atlatl weights is manufactured of an opaque white stone with a slightly fibrous crystalline structure. All its surfaces are smooth, with no visible marks of abrasion. This artifact has a streamlined form and measures 8.6x2.0x1.6 cm in maximum dimensions and weighs 41.8 g.

The other atlatl weight is broken but probably was originally similar in shape and dimensions. Made of soft, dark-green, slightly translucent steatite (soapstone), it now measures 6.2x2.4x1.4 cm. Both weights have slightly dishd, or concave, basal surfaces. On the fragmentary specimen the base is marked with deliberately scoured grooves, or "roughening." This may have been originally intended to help secure the weight firmly against the atlatl shaft.

Other artifacts known from this general area of the site include two flaked drills of translucent grey chalcedony, two flaked end-scrapers, several fragments of large bifaces, and one complete leaf-shaped knife or point of obsidian, as well as a small bone needle and a very small antler composite-harpoon valve.

Typologically, this assemblage is not chronologically very informative—though it

appears to be more than 1,000-1,500 years old given the absence of any obvious arrow points and the presence of atlatl weights (which on the adjacent southern Northwest Coast usually predate at least 1500 B.P.). In this regard, the recently determined age of 1700 B.P. for the famous waterlogged Skagit River atlatl is probably relevant. The absence of microblades at the Mara Lake site also tentatively suggests an age of less than 3000-4000 B.P., though the dating (and presence) of a microblade industry in this specific area is uncertain.

If nothing else, this small artifact collection excellently illustrates the problems caused by amateur archaeologists who, perhaps with the best intentions, irrevocably disturb unique vestiges of the past. Of course, most such finds are never preserved or reported. That this example is an exception, is only because the 13-year-old boy of 1958 is now a 40-year-old professional archaeologist—and the author of this brief note! □

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*ASBC member K.R. Fladmark is a Professor in the Archaeology Department, Simon Fraser University.*

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# Book Reviews

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## *Bringing pleasure and light*

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**British Columbia Prehistory** by Knut R. Fladmark. National Museums of Canada, Ottawa. 1986. Canadian Prehistory Series. 150 pp., ill., bibl., index. \$12.95 (paper).

*HERE AT LAST* is the book we've all been waiting for!

Knut Fladmark's **British Columbia Prehistory** is a comprehensive, thought-provoking, well-written survey of its subject from beginning to end. At the same time, it is an appeal to the public to attempt an understanding of the past, and to let that understanding be a guide in planning our future.

The twelve chapters have lively titles like, "When Raven Ruled," "Coyote's World," "Pebble Tools and Cobble Beaches," and "Pits, Pipes and Pictographs." They give an orderly account of the development of the native cultures of our province, both along the coast and in the interior, from the time when the ice retreated until "The Coming of the Ghost-Land People."

The archaeological evidence for each phase of the development is discussed, with time given to alternative as well as accepted interpretations. Climatic changes and sea-level movements that may have affected development are also described.

Many of the chapters include fictional vignettes consistent with the physical evidence. Each presents an imagined episode such as might have happened in the life of an individual at that time and place. These vivid little sketches put breathing flesh around the dry bones of archaeology. If Dr. Knut should ever take to writing a novel, Jean M. Auel will have to look to her laurels!

The writing is clear and orderly, and almost free of jargon, though it is perhaps not quite simple enough to reach the larger public whom we would like it to reach. Judged by standards of

sentence length and word length, Fladmark should fail (except in the vignettes) to reach any but the most expert audience. Yet, he successfully communicates complex ideas.

Fladmark has such a clear idea of what he wants to say, and he says it in such an interesting and orderly way, that anyone with an interest in the subject will follow his thoughts with pleasure and without difficulty. However, based on word and sentence counts, his "readability index" is low, his "fog index" high, and consequently he may not succeed in reaching many infidels. To the already converted, like any reader of *The Midden*, the book will bring much pleasure and light.

I have some complaints about cosmetic details. The type style is one I find difficult to read—thin lines, large characters, over-compressed spacing, and almost invisible punctuation. Many of the photographs of artifacts are less sharp than they should be. None of them includes a scale (though the accompanying caption usually states the size of one of the objects). Many of the colour plates of artifacts seem a little false in hue. On the plus side, I must report that the proofreading was extremely efficient: I didn't spot a single typo!

**British Columbia Prehistory** ably fills a longfelt need. Anyone interested in the preservation of our ten-thousand-year-old heritage should buy two copies—one for themselves and one for a friend not yet converted to the cause. If you can't afford a copy at the moment, then proclaim that your birthday is imminent and start dropping hints. □

- Don Bunyan

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*Don Bunyan is an avocational archaeologist, an ASBC Executive Committee member, and author of Pursuing the Past: A General Account of British Columbia Archaeology (UBC Museum of Anthropology, 1978). He is a retired petroleum engineer.*

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## *A two-part feast*

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**Lost and Found Traditions: Native American Art 1965 - 1985** by Ralph T. Coe. University of Washington Press, Seattle. 1986. 228 pp., ills., index. US\$35.00 (hardcover).

*THIS SMORGASBORD* of native North American art and craft has been published in conjunction with a touring exhibit of the same name. The collection is pan-continental in scope, the author having spent nearly a decade travelling from coast to coast, to pow-wows and remote villages, purchasing from traders and artisans the nearly 400 items pictured here.

The black and white plates permit unhampered admiration of technique, craft, and texture. The colour plates explode on the retina; one is struck with how much the artists' use of colour adds to the overall design of their creations.

The catalogue descriptions provide the usual dimensions, materials, and provenances, but at the same time are delightfully informal, including as they do incidental bits of background and comments by the makers themselves.

Coe has done an admirable job, creating an exhibition catalogue which shows contemporary Indian artifacts of an artistic sensibility equal to any in the world. More than that, he reminds us that everything here was made by living people for the use of living people, something we are apt to forget when dealing with museum collections. □

**Art of the Northern Tlingit** by Aldona Jonaitis. University of Washington Press, Seattle, 1986. 188 pp., ills., index. US\$30.00 (hardcover).

*THIS ACADEMIC TREATMENT* of Tlingit art successfully integrates an analysis of sacred and secular art forms with the ethnology of this northern people. The author is an art historian who is also familiar with the anthropological literature, both current and classic.

The book is beautifully written. After presenting a brief history of the nineteenth century collectors of Tlingit art, Jonaitis describes and compares shamanistic with secular objects. There is a section on social organization, shamanism, and the potlatch. From within this cultural context she concludes that Northern Tlingit art is both a reflection and an expression of the Tlingit worldview with its emphasis on rites of passage, ranked hierarchy, complementarity, and exchange in the material and the spiritual domain.

Anyone interested in broadening their knowledge of Northwest Coast art motifs and their applications will find this discourse pleasantly digestible. Whether or not one agrees with the author's conclusions, it is a useful contribution to the anthropology of the Northern Tlingit. □

- by *Phyllis Mason*

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*Phyllis Mason is an ASBC member and a library technician who works at Vancouver Community College-Langara library.*

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## **Lecture Course on Indonesia**

Archaeologist Helena Langrick will give an illustrated lecture, *Temple Builders of Ancient Java*, on March 24, 1987, at 7:15 pm in the Theatre Gallery, UBC Museum of Anthropology. This is a UBC Centre for Continuing Education program. For information about registration and fees phone 222-5237.

## News Bits

### *Archaeologists study archaeologists*

The archaeological community in Canada and the United States numbers at least 35,000. That's the size of the mailing list which the Society for American Archaeology compiled for a study of its constituency. A pilot survey indicates considerable diversity of employment and activities, reaching far beyond the traditional areas of teaching and research. For example, the test-survey found that only one-third of the archaeologists with Ph.D.'s work at a university.

### *Newsletter seeks subscribers*

Subscriptions to *Heritage West Newsletter*, published by the Heritage Society of British Columbia, are now available to individuals. The society is an umbrella organization representing local groups (including the ASBC) concerned with various aspects of B.C. heritage. Five issues of the newsletter a year (plus assorted flyers and other mailings) cost \$10.00. Order from the Heritage Society of B.C., 325 4th Street, New Westminster, B.C. V3L 2V3.

### *Lab stays open*

In response to numerous protest letters, the National Museums of Canada decided to keep open the Zooarchaeological Identification Centre in Ottawa. The Centre, which undertakes work on a cost-recovery basis, was slated for closure last year. Many National Museum programs have been suspended in order to finance the new museum facilities now under construction.

### *Point Grey goes to Alberta*

The ASBC is putting together a photo display of the Point Grey Public Interpretation Program, as a contribution to the poster session at the upcoming Canadian Archaeological Association conference April 22-26 in Calgary. Also, ASBC President Colin Gurnsey will be presenting a paper on avocational archaeology in B.C., at a session on archaeological societies.

### *Victoria announces mini-publication*

Provincial Archaeologist Art Charlton plans to publish a quarterly bulletin to serve as a communication link between the Heritage Conservation Branch and the archaeological community in B.C. The first issue is scheduled to appear in February, 1987. Anyone who would like to be on the mailing list should contact Charlton at 356-1437.

### *HCB looks for input*

The Heritage Conservation Branch is revising the B.C. site-recording form (and guide). A draft version will be presented at a series of workshops with invited participants to obtain feedback before preparing the final format. A new, revised edition of the Guidelines for Impact Assessment is in press.

### *Cansteam puffs into print*

The Canadian Steam Preservation & Industrial Archaeological Association (Cansteam) has launched a new bi-monthly journal, *Industrial Age*. The mailing address for further information is: Industrial Age, 14070 - 110 Avenue, Surrey, B.C. V3R 1Z2.

## Heritage Society Conference

The Heritage Society of British Columbia is holding its 9th Annual Conference in Kamloops, May 28-31, 1987. This year's theme is *The Meeting Place*. Sessions will focus on heritage conservation issues in the Interior. More information from the Heritage Society Office, 325 4th Street, New Westminster, B.C. V3L 2V3. Tel. 524-4752.

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## PERMITS • PERMITS • PERMITS • PERMITS • PERMITS

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Permits issued May through December, 1986:

- 1986-8 Jean Bussey (Points West Heritage): salvage excavations at site *EdQa 8*, near Athalmere, southeastern B.C.
- 1986-9 Art Charlton (Heritage Conservation Branch): assessment of sites *DiSe 10* and *DiSe 25*, Denman Island.
- 1986-10 Bjorn Simonsen (Bastion Group): impact assessment, *DgRw 179, 180*, Stuart Channel.
- 1986-11 Ian Wilson (I.R. Wilson Consulting): site recording along Mackenzie Trail.
- 1986-12 Stephen Lawhead (Arcas Associates): impact assessment, site of proposed G.R. Baker Memorial Hospital.
- 1986-13 Morley Eldridge: excavations at site *DiSe 10*, Denman Island.
- 1986-14 Steve Acheson: excavation at ten sites on Moresby and Kunghit Islands, Queen Charlotte Islands.
- 1986-15 Stephen Lawhead (Arcas Associates): impact assessment, proposed Merritt to Peachland Hwy.
- 1986-16 David Burley and S. Hamilton (SFU): archaeological investigations at Fort St. John II & Fort d'Epinnette.
- 1986-17 David Archer: inventory survey, Kitsumkalum River drainage basin.
- 1986-18 Stephen Lawhead (Arcas Associates): impact assessment of site *EfQs 6* and Cinnemousun Narrows Provincial Park.
- 1986-19 Leonard Ham: overview of prehistoric resources of Richmond.
- 1986-20 Mark Skinner: recovery of prehistoric human skeletal remains.
- 1986-21 Wayne Choquette (Kootenay Cultural Heritage Centre): survey and testing, Peavine Creek valley, near Cranbrook.
- 1986-22 Richard Inglis: removal of porthole from *Ericsson*.
- 1986-23 Ian Wilson (I.R. Wilson Consulting): impact assessment, Sikanni Pipeline.
- 1986-24 Bjorn Simonsen (Bastion Group): impact assessment of proposed access route connecting Stewart-Cassiar Hwy. with Mt. Klappan Coal.
- 1986-25 Wayne Choquette (Kootenay Cultural Heritage Centre): salvage excavations at site *DjPv 14*, Wildhorse River valley.
- 1986-26 Diana Alexander (SFU): survey and surface collection, Fraser River valley between Cinquefoil Creek and Leon Creek.
- 1986-27 Ian Wilson (I.R. Wilson Consulting): impact assessment, dump site, Greenhills Mine, Elkford, B.C.
- 1986-28 Stephen Lawhead (Arcas Associates): salvage excavations of cache pit features at site *EeRl 12*, near Lillooet.
- 1986-29 David Burley (SFU): map and assess Fort McLeod site, *GfRs H2*.
- 1986-30 Ian Wilson (I.R. Wilson Consulting): impact assessment, Alces River Pipeline Project.
- 1986-31 Ian Wilson (I.R. Wilson Consulting): mitigation measures, *FjTh 1*, Kitkiata Inlet.
- 1986-32 Grant Keddie (BCPM): salvage excavation of human remains at *DcRt 9*, Hibbins Close, Victoria.
- 1986-33 D. Scherberger: petroglyph rubbings, Gabriola Island.

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## LOOK FOR / Articles:

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**Northwest Odyssey: The First People** — an illustrated seven-part series published in the **Seattle Times**, October 5-12, 1986, and reprinted as a 16-page special section. **Times** science reporter Hill Williams chronicles the journey of the first Americans across the Bering Sea land bridge into North America, their arrival in Puget Sound, and the development of the Northwest Coast way of life until the epochal encounter with Europeans.

**Getting One's Berings** — an illustrated article about the migration of human groups into North America from Siberia, by Knut R. Fladmark. In **Natural History** (November, 1986) Vol.95, No.11, p.8+.

# Annual Index to *The Midden*, Journal of the Archaeological Society of British Columbia

Volume 18, 1986 (Published February, April, June, October, December)

(★ indicates illustrated articles)

Compiled by Phyllis Mason

## Author

- Bernick, Kathryn. *Book review: A Coast Salish history*. XVIII:1:11 F '86.
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## Cemetery Symposium

The second Heritage Cemeteries in British Columbia Symposium will be held April 24-26, 1987, in Victoria. The program includes workshops, research reports, and a bus tour of historic cemeteries in the Cowichan valley. For more information write to Heritage Cemeteries Symposium, 628 Battery Street, Victoria, B.C. V8V 1E5. Tel. 383-2392.

The Midden  
P.O. Box 520  
Station A  
Vancouver, B.C.  
V6C 2N3