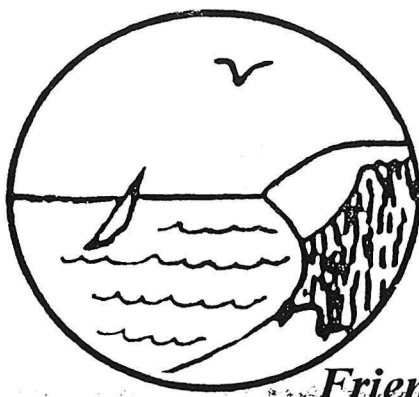




DRIFTING SANDS

Friends of the Sleeping Bear Dunes, Inc.

*To Assist In The Preservation, Restoration And Interpretation Of The
Natural, Cultural, Historical And Recreational Resources Of Sleeping Bear Dunes National Lakeshore.*

Volume 2, Number 1

Spring, 1995

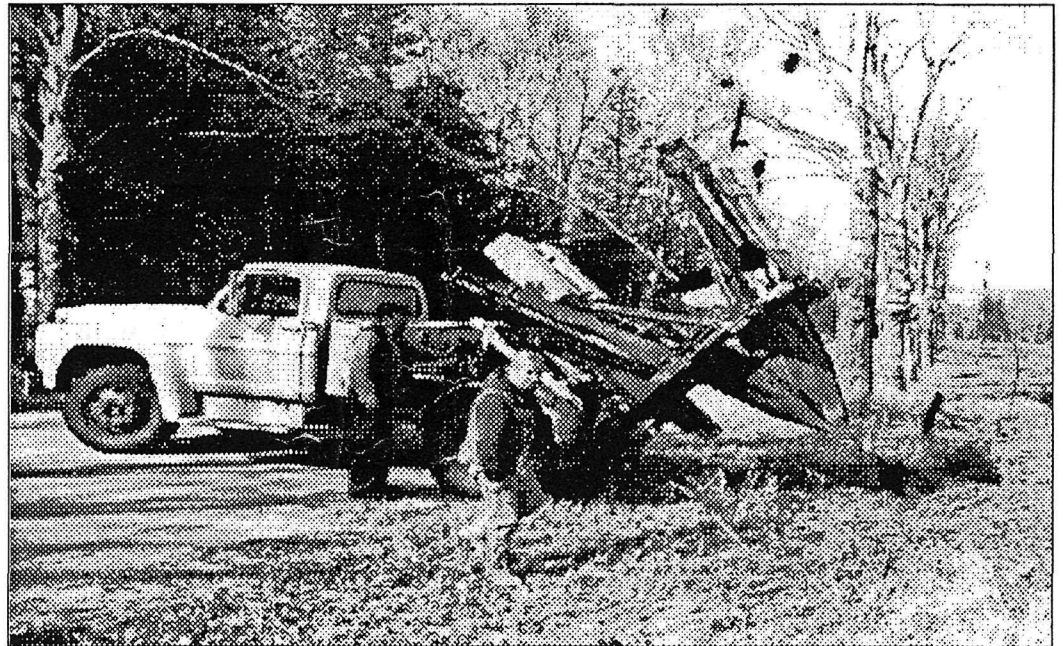
From The Chairman

- G. Franklin Zaring

Because our National Parks are increasingly threatened by a steady degradation of the planet, the problems we face today as stewards tell us we must become better educators and communicators. The public must assume greater responsibility for the preservation and management of our shared heritage, for no single agency nor any one level of government can accomplish this work alone. The National Park Service, as a co-steward with the Friends, must strive to achieve a quality of life for our citizens enhanced by natural and cultural resources and recreational open spaces.

As a result of the chartering of the Friends of the Sleeping Bear Dunes by the State of Michigan on May 24, 1994, for the first time in the quarter century

history of our beloved Lakeshore, it has become eligible for participation in the Challenge Cost-Share Program. We of the "Friends" are indeed a privileged group, for we are presented with a rare opportunity in 1995. It can now be announced that the Friends/National
See "From The Chairman", Page 2



Tree planting at the D. H. Day Farm

Second Annual Meeting

Saturday, June 3, 9:00 a.m., Visitors Center

Our Annual Meeting will be convened on June 3rd, at 9:00 a.m., in the Auditorium of the Visitors Center of the Park Headquarters in Empire. The public is invited to attend. The second annual meeting of the Friends is being held in conjunction with the observance of

See "Annual Meeting", Page 2

Trees For Day Farm

- Molly Harrigan

In the spring of 1994, it was suggested that a good project for the Friends group would be to replace the aging historic sugar maple trees in front of the D. H. Day Farm and along Day Farm Road.

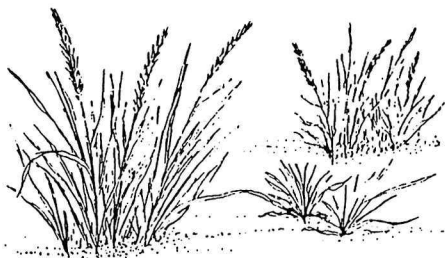
Martin Melkild of the Work Projects Committee agreed to lead the project. Martin's experience as a nurseryman for the City of Traverse City was quite valuable. He eventually located, marked and pruned

See "D. H. Day Farm", Page 2

From The Chairman (cont.)

Lakeshore 1995 Projects will include, but not be limited to Rehabilitation of Stocking Scenic Drive #10 and Rehabilitation of ten sites at the D.H. Day Campground. These two Federal Grants (funding for materials) are more than matched by the Friends 2,448 hours of volunteer time, thereby making both projects viable.

We believe in communal participation and the sharing of civic enterprises. As the "Friends" and the Park Staff cooperatively construct these improvements, this will indeed be a demonstration project attesting to the above-stated principles of sharing and participation. The "Friends" constructive efforts this 1995 will be but one example of neighborliness and assumption of responsibility as possible alternatives to the zealotry and ideological rigidity all too often employed nowadays in the search for answers to our nation's complex problems.



D. H. Day Farm (cont.)

maple trees on National Park property near Frederickson Road. The Park provided a Vermeer hydraulic tree planter borrowed from the Ozarks National Park.

Among the many hurdles that had to be cleared were letters of approval from various agencies, repair of the planter's hydraulic system, and poor weather with overnight temperatures dropping to 10 degrees F. On April 3rd, the planting finally began. There were five trees planted the first day. Over the following week, a total of 29 trees were planted to replace those lost to disease and age.

We would like to thank Park personnel Cal Murphy for repairing the planter's hydraulic system; Paul Collins and George Henderson for supervision and operation of the planter; and Friends volunteers Martin Melkild, Jerry & June Powley, Frank Zaring and Molly Harrigan. The Friends volunteers racked up a total of 54 hours of time donated to this project.

New projects coming up will include restoration of Lake Michigan Overlook 10 on the

Scenic Drive and restoration of campsites at D. H. Day Campground. We will be in need of volunteers willing to donate physical labor. We hope to know the starting dates for these projects soon and will contact members who indicated they would be willing to work.

Annual Meeting (cont.)

National Trails Day.

Following the business meeting, those present are invited to tour The Friends' Work Projects both completed and in progress at turn-outs #9 and #10 along Stocking Scenic Drive.

From noon until 4:00 p.m., trail groups and trail supporters will be gathering for Trail Day Grand Traverse at the Open Space on West Bay in Traverse City. Various national and local trail leaders and dignitaries have been invited to speak at this National Trails Day event. Some twenty organizations having a direct interest in trails will be present.

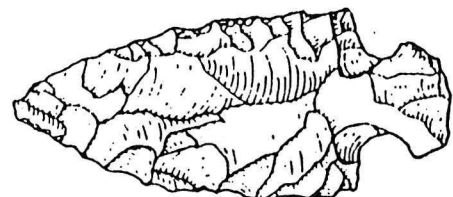
The Friends of Sleeping Bear Dunes will present information in reference to the organization, its work projects and the National Lakeshore's one hundred miles of hiking trails. Also, at that time, Friends Shoulder Patches will be available for the first time!

Upcoming Meetings of the Board of Directors

Friends' members and the public are welcome to attend any of the upcoming meetings of the Board of Directors. The meetings will be held at the Visitors Center in Empire at 7:00 p.m. on each of the following dates:

July 19
October 18
January 17
April 17

Mark your calendar and please join us!



Superintendent's Corner

- Ivan D. Miller

On behalf of the park staff, I would like to express our appreciation to the Friends for the work you are doing, and for the support you are providing.

One of the dictionary definitions for friend is "a person who give assistance; a patron or supporter." You all certainly fit in that category. But there are two other definitions that we believe apply equally well to our mutual relationship: "one who is on good terms with another", and "a person attached to another by personal regard".

We see the creation of the Friends as a major step forward in the management of the Lakeshore; one that is certain to have far-reaching and positive effects.



A Friends' volunteer and a Park ranger work on a scenic overlook.

As with any new organization, your first projects must of necessity be limited in scope. However, as time goes on, your ranks will grow and your projects grow as well. I predict that in just a few short years we will all look back in amazement at how much we have accomplished working together.

Sand And Sleeping Bear Dunes: Part II

By K R. Cranson

Sand, like all earth materials found at Sleeping Bear Dunes, is a product of glaciers that flowed across Michigan a few thousand years ago. These massive ice sheets picked up loose rock material produced by weathering of older rocks in Northern Michigan and Canada. As the ice melted when the glacial margin was located in the Sleeping Bear region, this transported material was deposited on the earth's surface. These earth materials created the land features now found in the park. Water and wind have modified the original surface creating beaches and dunes so prevalent at Sleeping Bear today.

Although much of the surface material in Sleeping Bear Dunes National Lakeshore is composed of sand, it is most easily studied along Lake Michigan's shoreline and in the dunes. Like most sand, it's primarily quartz with minor amounts of feldspar. There are, however, other minerals concentrated by wave action along shorelines and wind activity in the dunes. Two of these are magnetite and garnet. These occur in bands or streaks parallel to the beach and associated with wind ripples in the dunes. Identification is usually easy for magnetite and garnet sands appear as black and reddish zones, respectively.

As its name implies, magnetite is attracted by a magnet and is the only common mineral that has magnetic properties. Any magnet clearly demonstrates this interesting characteristic of magnetite. Its composition of iron and oxygen makes it a valuable source of iron - it is mined as an iron ore in the northern peninsula. When magnified, magnetite appears as black crystals with a metallic luster. Garnet is composed of iron, magnesium and silica. The distinctive reddish color it

See "Sand of the Bear", Page 4

Sand Of The Bear (cont.)

exhibits, when concentrated as streaks on the beach, becomes more intense when magnified. Like magnetite, garnet appears as crystals when viewed with a hand lens, but with a glassy luster. It's a very hard mineral explaining its commercial use as an abrasive and larger garnet crystals are valued as gem stones. (For Part I of this article, see *Drifting Sands*, Volume 1, Number 2)



Sleeping Bear's Maritime Museum

By Bill Herd, Park Ranger

A few times each year, I am contacted by museum organizations conducting surveys. They may be making an inventory of historic sites or artifacts, updating a museum travel guide or just getting a feel for what other museums in the area are doing. Some of the recent ones have been national inventories of maritime resources. The conversation is always interesting.

After introducing himself and the purpose for his call, he gets down to business.

"Your museum is named the Sleeping Bear Point Coast Guard Station Maritime Museum?" he asks.

"Yes, that's right, although its primary exhibits are about the U.S. Life Saving Service, not the Coast Guard," I respond.

"Can you give me directions for finding your maritime museum?" he continues.

"Well, that's kind of a difficult question. Can we come back to that later?" I beg.

"Okay," he says somewhat puzzled. "I understand that you have a surfboat on exhibit in the boathouse."

"Yes, actually we have a reproduction of a Beebe-McLellan and an original Higgins and Gifford," I assert.

"So you have two surfboats?"

"No, actually we have five surfboats on exhibit," I declare.

"Really!" His voice indicates surprise. After a pause he inquires, "Are they all exhibited in the boathouse?"

"No, only two, the others are in the Cannery Boat Museum."

"Is that part of the Coast Guard Station Museum?" he quizzes.

"No", I answer, "It is down the beach about a quarter of a mile in the Glen Haven Historic Village."

"Now let me see if I have got this right, you have a Coast Guard Station Maritime Museum and a Cannery Boat Museum and a Historic Village. Is that right?" he requests.

"No. We have three Historic Villages. There is one on the mainland and one each on South and North Manitou Island."

Now there is a longer pause while the interviewer attempts to digest this new information. He had begun the conversation thinking that he was interviewing a small museum with a couple of rooms of exhibits. Now he realizes that we have more historic buildings than most big museums have rooms. After a while he continues.

"Let me ask you some questions about the Coast Guard Station."

"Which one?" I reply. "We have three of those too."

Now I am having fun but not necessarily at the interviewer's expense. I know that after the initial confusion the interviewer will be delighted to have discovered so many maritime resources being preserved and interpreted. After a straight forward discussion about the three Coast Guard Stations, I get my next chance. He asks "Do you have daily tours of the station?"

"We have daily tours of the lighthouse," I declare enthusiastically.

"How many lighthouses do you have?" he grills, getting into the spirit of the conversation.

See "Maritime Museum", Page 5

Maritime Museum (cont.)

"There are several nearby, but we just have one. But we do have one of the best collections of historic lighthouse equipment in the Great Lakes Region," I add proudly.

"With all those lighthouses and Life-Saving Stations, it must have been considered a dangerous area. Are there any shipwrecks still remaining?"

"Well, the area between the mainland and the islands is a State Underwater Preserve set aside to protect the twenty-five known shipwrecks," I articulate.

"Wonderful," he exclaims. "People say it is beautiful up there. I suppose that the shoreline is pretty well-developed?"

"Not at all," I contend, "most of the 68 miles of the National Lakeshore is undeveloped and looks just as it did when there were sailing ships and Life-Saving Stations."

"Really?"

Now he spends some time catching up on his paper work, filling in the blanks on his questionnaire based on our conversation. After a long pause, he speaks again. "Now I see why giving directions is a complicated question, your maritime museum is many different buildings in many different places."

"Our maritime museum also includes the shoreline, islands, harbors, shoals, navigational landmarks, dunes and the other natural features that make up the historic setting," I add. "It is really a historic maritime landscape. Just tell people to come to the Visitor Center and we will help them get to where they want to go."

"There certainly can't be many places like this still around," he says.

"I don't know of any others," I reply.

The Legend of Sleeping Bear

By Martin A. Melkild

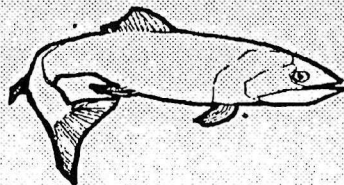
Upon the bluffs of shifting sand,
Indians tell a legend, oh so rare.
Mother bear lay down, her final view so grand,
To gaze her last across the waters where,
She with cubs set forth and swam,
Seeking shelter from the forest fire there.

In fright mother bear left those Wisconsin shores,

As trailing cubs they struggling came.
In sight of Michigan, but still must paddle more,

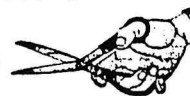
Splashing, floundering, Oh so lame!
Onward to a safer shore, now she must turn to see,

Where her loving cubs should be!



Old mama Maw-kwa, do not shed more tears,
As now before her eyes there arose,
The two islands of the Manitou did appear,
From out the great depth below.
Mother bear you need no longer fear,
Your cubs now rest with "Gitchi-Man-i-to".

(The Indian word "Gitchi-Man-i-to" means "Great Spirit". The above poem is an excerpt taken from Log Cabin Tales of Leelanau by Martin A. Melkild.)



Friends Membership Application

Family & Individual Memberships: () \$10 Regular () \$20 Sustaining () Other _____

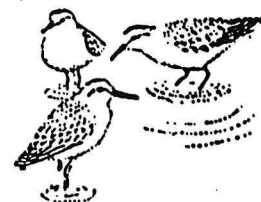
Business & Corporate Memberships: () \$100 Regular () \$200 Sustaining () Other _____

Name: _____

Summer Address: _____

Winter Address: _____

Come
Join us



Please make checks payable to : Friends of the Sleeping Bear Dunes, Inc., P.O. Box 6344, Traverse City, MI 49685-6344. ALL CONTRIBUTIONS ARE TAX-DEDUCTIBLE.

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* = New Members.

We welcome our 23 new
members! To all our
Friends, thank you for your
support! This list represents
the membership as of
03/21/95.

Sleeping Bear Trivia

1. How many inland lakes are there in the Lakeshore?
2. How many Lakeshore entrances are there?
3. What federal agencies were the predecessors of the U.S. Lifesaving Service?
4. How many research projects were conducted at the Lakeshore in 1994?
5. How many educational brochures are available to the public for free at the Lakeshore?

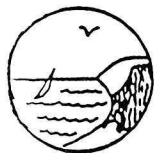
(Trivia Answers: 1. 13; 2. 52; 3. The Revenue Cutter and The Lighthouse Services. 4. 11; 5. 60.)

Free Trail Brochures

The following free hiking trail brochures are available at the Visitors Center:

Old Indian * Platte Plains * Empire Bluff *
Windy Moraine * Shauger Hill * Cottonwood *
The Dunes * Alligator Hill * Bay View *
Pyramid Point * Good Harbor Bay * Common
Back * General Hiking Trails

*For more information on the Friends of Sleeping
Bear Dunes, call Franklin Zaring at 941-4521 or
write to us at P.O. Box 6344, Traverse City, MI
49685-6344.*



Friends of the Sleeping Bear Dunes

P.O. Box 6344

Traverse City, MI 49685-6344