



# MAPLE SYRUP

# DIGEST



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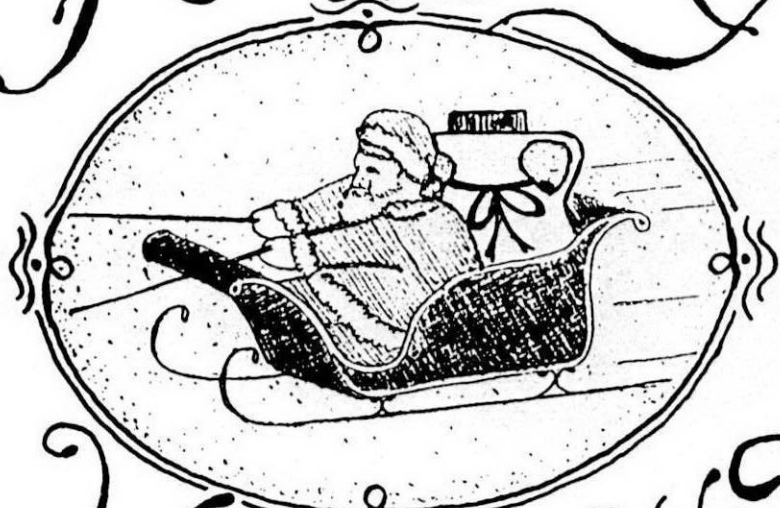
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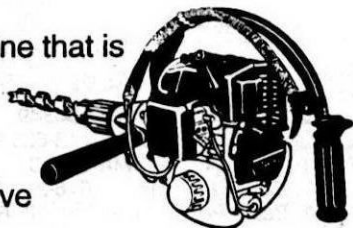
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# MAPLE SYRUP DIGEST

Official publication of the  
NORTH AMERICAN  
MAPLE SYRUP COUNCIL

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### COVER PICTURE:

McCormick's Sugar Camp, Nova Scotia

## GREETINGS FROM YOUR PRESIDENT

Congratulations Nova Scotia for hosting a wonderful convention. Your many hours of planning and hard work made an enjoyable time for us delegates, members, and friends. You certainly have a beautiful province, and it is understandable why you take great pride in your heritage. To those of you who could not attend, you missed a great time. Everyone should make their plans to attend our convention in 1994 in Massachusetts.

We would like to extend our thanks to Lynn and Anne Reynolds for their many years of service to the council. Their support and wisdom in the future will always be appreciated.

Congratulation to Bob Smith from Maine, for being elected vice president of the council. I am looking forward to working with you in the future.

To Carl Vogt (secretary/treasurer) and to Roy Hutchinson (editor), thank you for the work you

have done, but don't stop now, we need your hard work in the future. (Carl, even if you have to cut in line!).

As we heard at the meeting, most states and provinces had a much smaller crop in 1993 than in 1992. This is helping to bring down the surplus. Good promotional work, throughout the maple industry will help. Selling a good quality product is still the best salesman we have today.

Overall, the future looks bright for the maple industry. We all need to continue to work together. As president of the council, I will try to work hard to promote the maple industry.

Richard Norman  
President, NAMSC

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## CORRECTION!

Please note the corrections to the article written by Dr. Nicholas H. Low published in the October 1993 Digest.

Page 15, line 31 should read **cane** not **case**;

page 15, line 40, following the word grapefruit juice the following entire section was omitted: . . . (Martin, 1990) **This method is based on the measurement of the deuterium (isotope of hydrogen) . . .**

Please accept my apologies for this mistake.

Editor

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## THOUGHTS FROM THE PAST PRESIDENT

As usual the 34th annual convention of the Council is a golden memory with our experiences of past conventions. To the Directors, a job well done. To you attending, your input and participation was invaluable. To the equipment manufacturers and distributors, beautiful as usual. To Nova Scotia, perfect.

My sincere congratulations to Richard Norman as President, Robert Smith as Vice President and to Carl Vogt as Secretary/Treasurer. Our ship is steady as it goes. You all are our good friends and you all are very capable. Confidence is easy under your leadership. Good luck to all of you.

To thank everyone that helped me would take a book. So bear with me on a few. Thanks to Bill, Richard, and Carl for your Executive Committee council, thanks to the Council, thanks to all committees and their chairs, thanks to the IMSI, thanks to Chris, Darrell and Dave of the Research Committee, and thanks to all of you maple folks who without your support understanding, and loyalty, I could not have succeeded. Roy Hutchinson, thank you for your friendship and getting the word out. Carl Vogt, you are too much, a special thank you. And finally, thank you to my wife Anne. This lady has done so much, for so long, for so little, thank you doesn't seem half enough.

I leave you an industry that shows signs of being healed. I con-

sider the International cooperation to be at its highest level ever in maple. I challenge all of us to keep the healing process on going. I ask all of you to support the Digest regardless of personal feelings. It's your publication, don't lose it. This is a beautiful industry. Let all of us make sure we do our part to keep it that way. Pickup the trash, clean up the path, and mow the lawn. Take the obstacles one at a time, decide unanimously the course of action, and then with all your heart-felt commitment behind it, and with all of your combined energies, carry through to solution.

Nova Scotia, you did a great job. So for the last time, we say to you: 1) We had a good time; 2) We will remember you pleasantly; 3) We will speak of you kindly; 4) We will come back; and, 5) We thank you, God bless you, and goodbye.

The honor has been mine. The darkness of night turned to dawn, the sun rose, we toiled at our tasks, among times of clouds and rain the sun came through, the beauty of evening was shared, and our friendship was reaffirmed. The day is over. I shall always dearly treasure this day. Now for a nights rest. At the next dawn we have much work to do together. So see you tomorrow. I thank you for my day. Merry Christmas. Goodbye. Au revoir.

Lynn Reynolds  
Your Past President

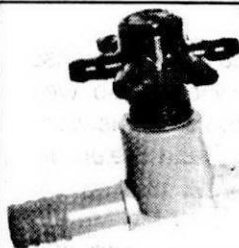
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## THANKS NOVA SCOTIA

By Roland Jorns

Oh yes, Nova Scotia, you will be in our memory banks for a long time. We from the mid West tremendously enjoyed this convention.

It was run in a casual yet precise manner with every detail so well covered. All business sessions were handled so carefully, and the entertainment was out of this world. Many praises go to your Mr. Mayor, The Bentley's, the Max Spicers and all those hard working committee members who gave to make this convention so outstanding.

It was easy to recognize you are a very proud, friendly and heritage

mindful people, and I certainly do not want to forget musical too! I heard more good violin music there in three days than I heard elsewhere in years, and we love good violin.

We would like to thank the bus driver (the tall one) whose name escapes me right now and our chaperone Jean for a wonderful tour on our last day.

You have a wonderful Province with all its people and heritage — don't change! You made us feel so welcome we felt sad upon leaving. Don't be too surprised, Avarad, if someday you see Roland & Donna having a big 20 oz. lobster at Keddy's downtown Truro.

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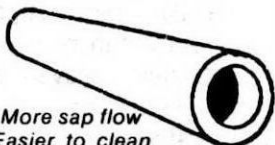
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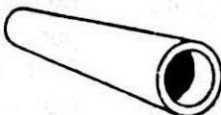
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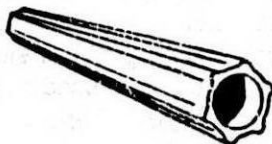
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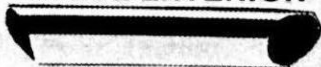


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# WISCONSIN FALL MAPLE TOUR

By Chris Hauge

The fall maple tour has become tradition in Wisconsin, as is true in most maple states and provinces. On October 2, 1993 about 135 producers convened in Western Wisconsin to visit three different sugar bush operations and also enjoy some local history of the area. Since the State of Wisconsin has been divided into six different districts for purposes of electing delegates, it is also used to rotate the fall tour to different areas. This year district five, under the guidance of producers Elton Hoff, Allen Hustad and Norman Anderson, three different sites were selected to visit. Stop one was at the Allen and Linda Hustad Sugarbush where they purchase sap from 11 different producers plus tap themselves. Due to a fire on March 15, 1993 their old bottling and sales room was destroyed. Thanks to neighbors who made syrup they were able to complete the 1993 season by sharing bottling equipment. They were forced to make a deci-

sion to get out of maple or rebuild with the idea of expansion. With a 240 acre dairy farm it was a hard decision but maple won out and a 20 by 42 foot bottling and sales room was constructed.

The following stop was at Norm and Jan Anderson's sugarbush where their bottling and sales operation was viewed including a bottling and labeling demonstration. Their own tapping operation has been reduced from a high of 17,000 taps now down to 2,500 taps with much bulk syrup being purchased. The Anderson Sugar Bush is a firm believer in promoting maple and have proven it works with increased sales.

The final maple stop was at Doug and Joan Belanger's High path Sugar Bush. Even though Doug and Joan reside in Minneapolis, Minnesota their sugarbush is located near Luck, WI. Presently 1,700 taps are put out each spring and provide barely enough syrup for their own marketing in the Twin City area. Providing samples of their product at open air markets and indoor craft shows has helped convince the customer who is indecisive about purchasing. ▶▶

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For a diversion from maple the tour traveled to Siren, WI to Forts Folle Avoine Historical Park. Here at this restored French — Indian trading post we were treated to a meal called "Shepherd Pie" (beef, potatoes and gravy, vegetables, fry bread, etc.) and a maple sugar pie for dessert. In addition to a tour of the restored fort, museum and gift shop an authentic Indian dance program was provided by the St. Croix Indians. Our state Maple queen, Brenda Mika, from Marengo, WI also was present on the tour. Producers were able to visit with her and arrange public appearances for her during the remainder of her reign. Wisconsin also has retained the services of a past Maple Queen, Sara Steig of Pigeon Falls, WI as a

Public Relations Specialist. Sara also visited with producers and make arrangements as to how she could help them.

A tradition of the fall tour is to honor someone as the maple syrup producer of the year. This year Norman Anderson of Cumberland received this much deserved honor. Following a long day, buses returned to the starting point of Hustad's Sugarbush where producers purchased the new council sponsored recipe books prior to departure for home.

If any one would like to attend our October 1, 1994 fall tour please get in touch with someone from Wisconsin and we will get the information to you.



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## MAPLE PROMOTION IN NEW HAMPSHIRE

By Melissa Moore

The Promotion Committee for the NH Maple Producers Association has agreed to sponsor three events which are intended to encourage out-of-season maple sales and increase the consumer's awareness of the NH maple industry. In September, the NH Maple Phone was activated. The maple phone will be on-line year round. People who dial (603) 267-7070 will hear an announcement about NH maple syrup and may leave their name and address to receive a free directory of NH maple producers. The phone number was publicized through press releases to radio stations and newspapers. The initial response to this service was encouraging.

The NH Maple Phone number was printed on all remaining 1992 Maple brochures. These brochures were distributed at four NH fairs and through two Rest Area Promotions. The NH Department of Tourism invited agricultural producers to distribute brochures and product samples at the state's Rest Areas. This fall, the NH Maple Producers conducted one promotion at the Shelburne Rest Area and a second one at the Hooksett, (Northbound) Rest Area. In order to do this the Association had to go through an approval process. The Department of Tourism requires all those participating in these promotions to offer free samples, and to distribute literature which promotes an entire segment of agriculture, such as the maple industry, rather than just one or two

businesses. This proved to be a good way to greet tourists as they were coming into the state for the weekend. In addition to passing out brochures and samples of maple sugar candy, young children between the ages of three and seven were offered a paper travel game. The puzzles on the travel game all have a maple sugaring theme. There is a limited supply left, but they are available for producers to use later in the season when young children tour sugarhouses.

Again this year, the NH Maple Producers will sponsor a Maple Sunday in March. Last year 41 sugarhouses throughout the state participated in this event. The weather for New Hampshire's first Maple Sunday was terrific. Most syrup producers reported that big crowds turned out for the special day. We'll be looking for more producers to join the festivities and for a good turn out on NH Maple Sunday—1994.

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# MAINE NEWS

By Vicki Schmidt

As far as we know all of our troops and travelers arrived home safe and sound from the NAMSC meeting in Nova Scotia. It was nice to have the meeting in our "backyard" as it allowed a few more than usual of us to attend.

The events on the national scene, particularly the ongoing Federal Nutrition and Labeling Act, have preoccupied the minds of many producers this summer. We are still waiting the official and final word as it will apply to Maine and our grading law. We have heard that our grading law will be allowed an exemption, but we're not sure in exactly what fashion!

The Maine Maple Producers Association also spent the summer of '93 designing a number of projects for the coming seasons. At our summer meeting we discussed two new projects; creating a maple calendar for 1994 and expanding Maine Maple Sunday to include bus tours. Both of these projects have

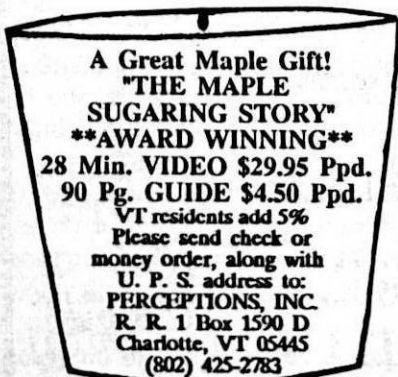
taken considerable time to organize, but they seem to be falling into place nicely.

Our top promotional events for '93 remained Farm Days and Fryeburg Fair. Attendance at both shows kept the booths busy and the attributes of pure Maine maple syrup were shown off considerably with the design of both exhibits.

MMPA would like to thank Smith's Maple Products of Skowhegan for their donation of the video and teaching guide "The Maple Sugaring Story". This material has already proven valuable at various outings and with a number of schools.

In November MMPA met to finalize plans for the fall schedule, and to begin organizing for the 1994 annual meeting in January. Plans for this meeting are still very preliminary and more news will follow in the Next Maine Maple Newsletter.

As 1993 comes to an end, MMPA wishes everyone a safe and Happy Holiday Season!



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## **IMSI CONDUCTS ANNUAL MEETING IN NOVA SCOTIA**

The International Maple Syrup Institute conducted its annual meeting in conjunction with the NAMSC in Turo, Nova Scotia, October 21 and 22, 1993.

Thursday evening, the Board of Directors held their normal business meeting with highlights concerning the public relations campaign currently underway. The public relations by the IMSI, and supported financially by Agriculture Canada, is a program of information concerning generic pure maple syrup, its uses; and, especially notifying the consumer that the IMSI logo on the container

guarantees the purity of the syrup in that package. Other business included updates on the maple syrup surplus in Canada, and a systematic recovery currently underway, to reduce the surplus into a manageable market stabilizing amount. The Board also discussed the contact to the Quebec Maple Products Marketing Group and La Federation des agriculteurs (UPA) for their membership in the IMSI. Their participation may open up the initial funding for the IMSI Promotion Board by Quebec, which then could be followed by contributions from other Provincial and State Maple Associations. The new IMSI "Use and Care Manual" was distributed. This shall be a great tool in advising current and future members of the intent and direc-



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tion, the IMSI is progressing. Elections were held. The current officers of Lynn Reynolds, President; Luc Lussier, Vice President; Gary Gaudette, Treasurer; and Rachel Monniere, Secretary; were elected. The Board was advised that the People to People Ambassador trip to Russia and Eastern Europe is still being planned. The Board delayed discussion concerning its official advisory stance on organic certification; until the combined committee of the NAMSC and the IMSI, chaired by Larry Myott, can provide comprehensive direction to be officially voiced by a united industry. Extensive coverage of this topic is expected at the January Board meeting.

On Friday morning, the convention opened with the ISMI's presen-

tation of the Public Relations Campaign being conducted in behalf of the IMSI by the David S. Wachsman Public Relations Firm of New York. Joan Cear, their Account Supervisor gave the presentation. I can testify that I have never been personally more proud of being in the maple syrup industry or as a part of the IMSI after experiencing her report. The program exemplified professionalism in telling our story of how, why, and where pure maple syrup should be used. It was a story to behold as told by Ms. Cear verbally, visually, and audibly for the uses of pure maple syrup, but more importantly, that your IMSI logo is their guarantee of purity. If the logo is on the container, the consumer can buy the product



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The second half of the IMSI's program was presented by Jacques Brulotte, representing the non-profit Quebec Maple Products Marketing Corporation. His disclosure of the surplus situation as well as prices, information, and openness was most sincerely appreciated by all in attendance. I have never experienced a more cooperative international and informational exchange atmosphere than was demonstrated by Jacques. His general comments indicated the surplus was going down to some less than 30 million pounds and the prospect by the new season would be a manageable amount under 20 million pounds. By maintaining a reasonable carry over each year, future drastic fluctuations in supply

and price can probably be avoided. At least this is the Corporation's goal and at the present looks attainable. I need to say this was a refreshing and informational sharing session, which indicates a willingness of cooperation never before demonstrated. This cooperation certainly appears to be an example of one of the corporation's published mandates "to promote joint action between the Quebec maple products industry and other maple products industries throughout North America". I salute this step toward total elimination of the international maple border.

During the banquet on Friday evening, the North American Maple Syrup Council awarded recognition to Claude Tardiff of Quebec, for this undaunted loyalty and his continuing dedication to the maple syrup industry. Claude was recognized for his years of participation in the IMSI, but also for this more recent assistance in providing Quebec's needed representation on the Board of Directors of the North American Maple Syrup Council. Claude and Rachel are our friends,



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but what they do behind the scenes for the IMSI and the maple syrup industry without recognition, is extraordinary, and we wish to express our appreciation. Thanks Claude and Rachel. You have our gratitude.

The IMSI Board of Directors wishes to extend its sincere thanks to the Nova Scotia Maple Syrup Producers Association for its hospitality during this convention. Nova Scotia, you were great. And also, the directors wish to reiterate

their appreciation of continuing cooperation between the NAMSC and the IMSI on mutual problems and concerns. Consensus, unanimity, and a united stand certainly carries far more impact by speaking with one unified voice.

An IMSI Directors meeting is scheduled for the Holiday Inn, Burlington, Vermont, Monday, January 31, 1994, 9:30 a.m.

Lynn Reynolds  
Your IMSI President

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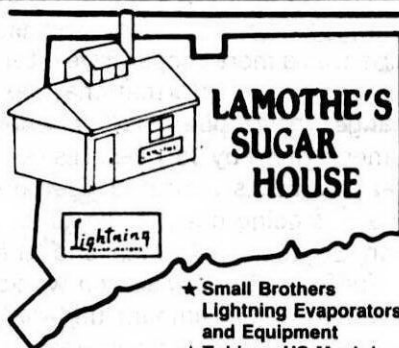
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# 1993 NORTH AMERICAN MAPLE SYRUP ANNUAL MEETING AND CONVENTION

October 20-23, 1993

Truro, Nova Scotia

By Carl E. Vogt, Secretary



The 34th Annual Meeting of the North American Maple Syrup Council (NAMSC) was hosted by the Maple Producers Association of Nova Scotia. The meeting was held at Keddy's Inn and Convention Center located in Truro which is located approximately 1 hour north of Halifax.

Maple producers from Canada and the United States began arriving on Wednesday. A group of about 40 producers from New England traveled by bus and stayed over one night in New Brunswick prior to arrival. Fall color peaked in Nova Scotia about a week earlier but there was plenty of beautiful scenery still to be seen.

The fall color of the hardwoods were contrasted with the deep dark green of the spruce, fir, and pine which is found throughout Nova Scotia. Truro is located at the end of the Bay of Fundy where some of the highest tides in the world can be found. A few producers had an opportunity to see the "Tidal Bore" as it came into Truro.

The registration table for the meeting was set-up in the lobby of Keddy's Inn. A group of enthusiastic Nova Scotia producers were present to extend a welcome hand to everyone. Mr. & Mrs. Doug Kirby, Mr. & Mrs. Avard Bentley, Mr. & Mrs. Russell MacKinlay, and Mr. & Mrs. Max Spicer made sure everyone felt at home. The registration table was a great place to gather and learn about the tours planned for guests.

On Wednesday afternoon, Extension Foresters from Canada and the United States met to exchange program ideas, and to share information about maple in their respective regions. The meeting was very informative, and plans call for a similar gathering in 1994. On Wednesday evening, delegates representing member states and provinces greeted each other and received the minutes, and reports from the 1992 meeting held in Ohio.

A social get together was held on Wednesday evening in the Colchester Room. A group of about 20 local musicians provided some fine entertainment featuring string and violin instruments. This was a time to meet with old friends and share a year's worth of experiences.

On Thursday morning, Doug Kirby, Avard Bentley and Truro Mayor Carter, welcomed the group to Nova Scotia for the Annual Meeting. Following the welcome, President Lynn Reynolds officially opened the 34th Annual Meeting of the North American Maple Syrup Council. Secretary Carl Vogt read the Roll Call of Delegates. Those present included Delegates from: Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New York, Nova Scotia, Ohio, Ontario, Pennsylvania, Quebec, Vermont, and Wisconsin. All new Delegates and Alternates were introduced and welcomed to the

meeting. Following the introductions, Delegates gave their individual provincial and state reports. The Minutes and Treasurers Report for Fiscal Year 1993 were presented and approved by the Council.

Roy Hutchinson, Editor of the Maple Syrup Digest gave a report and answered questions relative to the Digest. Roy was commended on the fine job he is doing as editor. Council members were asked to help by encouraging equipment suppliers and others to advertise in the Digest. The Council was also asked to encourage subscriptions from association members who currently do not receive the Digest. The Digest report submitted by Roy Hutchinson was accepted.

Russ Davenport reported that the Maple Manual is currently being edited by Dr. Mel Koelling of Michigan. About three chapters are completed thus far and Dr. Randy Heiligman of Ohio is helping with the final editing. Russ reported that USDA plans to print the manual when final editing is complete. It was suggested that at least 25,000 copies of the manual be printed. The Council thanked Russ and his committee for the time and effort they have put into the manual.

President Reynolds appointed the following committees:

Auditing: Hank Peterson, Bill Robinson, Robert Smith

Nominating: Bill Clark, Gordon Gowen, Ture Johnson, Ron Shaw

The Research Committee reported on activities in 1993. Chris Hauge reported that seven projects were funded for 1993. The committee recommended funding of six projects in 1994. Proposals will be presented to the Council at Fridays meeting. It was recommended that the committee contact all container manufacturers in the United States and Canada to encourage them to take part in the Research program established by the Council. The Research Committee report was accepted as presented.

President Reynolds and Russ Davenport discussed the request from the American Maple Museum that the Council help in the selection of nominees for the Museum Honor Roll. President Reynolds suggested that a committee be established which would have the following annual duties:

Select Annual Awardees of NAMSC

Select Annual Maple Hall of Fame Awardees

Monitor Honorary Award Fund

Serve as liaison with the American Maple Museum

Provide Minutes and Keep Honor Roll Up to Date

The following individuals were asked to serve on the committee. Russ Davenport—Chairman, Bob Lamb, Ture Johnson, Gordon Gowen, Arthur Merle, Ron Shaw, Ed Curtis, Paul Richards and Ray Foulds. The committee was asked to report to the Secretary of the NAMSC at the Annual Meeting. Funds for awards and plaques would come from the Honorary Fund. The Council approved an appropriation of \$500.00 to the American Maple Museum on an annual basis.

On Thursday evening the Maple Syrup Producers of Nova Scotia presented "Nova Scotia Flavors Banquet." An array of wonderful food and desserts were enjoyed by everyone. Ms. Margaret Nourrie, MP presented Lynn Reynolds a

membership certificate for the Order of Good Times. This is probably the oldest social club in Nova Scotia (1609). In addition to Lynn receiving the award, every guest who does not reside in Nova Scotia received a certificate after dinner. A highlight for the audience was a multi-media slide presentation about the Maritimes with special emphasis on Nova Scotia. The slide show was presented on a large multi-phase screen that utilized 15 projectors and a fantastic sound system. After viewing the show, everyone was ready to come back to Nova Scotia.

The Thursday and Friday Technical Session Reports were given by those who received grants for 1993. The reports will be published in future issues of the Maple Digest. Those presenting and/or sending reports of their research included:

The University of Saskatchewan, University of Vermont, Ohio State University, U.S. Forest Service, University of Massachusetts, and Pennsylvania State University. The presentors did an excellent job in reviewing their findings and answering questions regarding their research projects.

The International Maple Syrup Institute (IMSI) meeting was held in conjunction with the NAMSC meeting. IMSI is currently active in promoting maple syrup thanks to a grant from the Canadian Government. A very attractive informational packet has been sent to media in the U.S. and Canada. A chef hired by the advertising agency has been doing a number of T.V. presentations in target cities featuring maple syrup in his recipes. The council saw two of the early presentations and thought they were excellent. Exposure on T.V. has been excellent and plans call for expanding contacts in 1994.

The IMSI is hoping to continue its marketing program by encouraging its members to make their annual contributions. Representatives of the Quebec cooperative presented a very interesting program, and discussed maple syrup production and marketing strategies for the future. Plans call for expanding markets beyond North America. A very informative question and answer period followed the presentation. The audience of maple producers appreciated the open sharing of ideas and comments relative to everything from production and surplus to opportunities for future cooperation.

The Research Review Committee (Lynn Reynolds, Dave Marvin, Darrell Russ, Chris Hauge) recommended that the following six projects be funded for 1994. The Council approved the committees recommendations.

University of Moncton-New Brunswick, *Effects of Maple Fertilization on Sugar Production.*

Pennsylvania State University, *Exploration for Biological Control Agents of Pear Thrips*

Ohio State University, *Clonal Propagation and Isozyme Analysis of Sugar Maples with High Sap Sugar Concentrations, Phase II.*

Cornell University, *Propagation and Cultural Treatment Enhancing the Genetic Improvement Program for Increased Sap Sugar Concentration of Sugar Maple*

University of Vermont, *Fungi for Biocontrol in Sugar Maple Stands: Safety for Non-Target Beneficials*

U.S. Forest Service, *Reexamination of the Effects on Trees Using Paraformaldehyde when Tapping Sugar Maples*

The Auditing Committee examined various Council Reports and found them to be in order. A motion was made to accept the reports. The Nomination Committee suggested the following individuals for the Council:

Richard Norman — President

Robert Smith — Vice President

Carl Vogt — Secretary

A motion was made for the Secretary to cast a unanimous ballot for the nominees.

Following brief presentations the Council approved proposed Annual Meeting Sites as follows:

1994—Massachusetts, 1995—Ontario, 1996—Connecticut,

1997—Michigan, 1998—Pennsylvania, 1999—Maine, 2000—Vermont

There being no further business, the 34th Annual Business Meeting of the NAMSC was adjourned at 4:50 P.M.

A cocktail hour and get together preceded the traditional Annual Banquet.



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The evening began with the traditional singing of the National anthems of the United States and Canada. A wonderful meal with all the trimmings was enjoyed by everyone. The MC for the evening Mr. Jack Sibley, introduced the headtable guests. Following a brief welcome by Mr. Bill Casey, (Member of Legislature) and Mr. Richard Huggard, Department of Agriculture-Nova Scotia.

Secretary Carl Vogt then presented award plaques to the follow individuals for their work on behalf of the North American Maple Syrup Council and the International Maple Syrup Institute: Claude Tardif, Ed Curtis, Dale McIssac, and Lynn Reynolds.

Following these presentations Carl Vogt was awarded a special plaque for his work with the Council. In addition the following awards were given for the Maple Syrup Contest and Photography Contest.

### **Maple Syrup Contest:**

#### *Canadian No. 1 Extra Light*

1. Kizer, Maple Products, Concord VT.
2. Hall Farm Maple Products, Rodney and Lisa Hall, Dixfield, ME.

#### *Canada No. 1 Light*

1. Kevin McCormack, Springhill, Nova Scotia.
2. Ray and Mary Gonder, Peterborough, Ontario.
3. Verne Scribner, Whitehall, NY.

#### *Canada No. 1 Medium*

1. Maple Hollow, Joe Polok, Merrill, WI.
2. Ray and Mary Gonder, Peterborough, Ontario.
3. Maple Grove Farms, St. Johnsbury, VT.

### **Photo Contest:**

#### *Maple Production*

1. Avis Norman
2. Lorna Crowe
3. John Roth

#### *Maple People*

1. Doug Fitch
2. Susan Hoskin
3. Russ Davenport

#### *Maple Products*

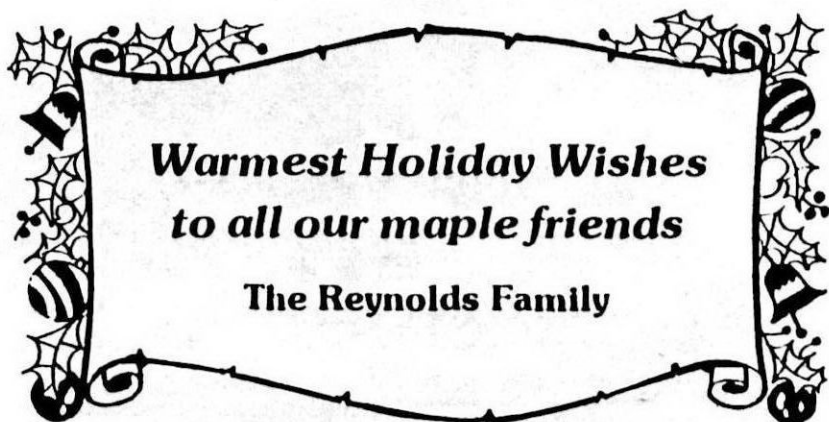
1. Earl and Pat Parker
2. Russ Davenport

Following the awards portion of the program Lynn Reynolds acknowledged and thanked those present for their support over the years. Lynn then introduced Richard Norman who was elected President for 1994. Richard thanked everyone in Nova Scotia for hosting the meeting and encouraged everyone to meet in Massachusetts in 1994. The evening concluded with some great entertainment by four young ladies from Cape Breton Island, who danced,



played, and sung traditional Nova Scotia music. The girls were exceptionally talented and received a standing ovation after their performance. Following the banquet baseball fans retired to their rooms to watch the Toronto Blue Jays beat the Philadelphia Phillies in the world series.

By 9:00 A.M. Saturday morning tour busses departed the inn for an all day trip to visit two maple operations and see more of the sights of Nova Scotia. From quaint fishing villages, to the Ann Murray Center in Spring Hill, visitors were treated to fine views and hospitality. A lobster lunch was included as part of the tour. The North American Maple Syrup Council would like to thank the planning committee of the Maple Syrup Producers of Nova Scotia for hosting the 1993 meetings. We look forward to a joyous holiday season and to a productive 1994 maple season. We plan to see you at the next Annual Meeting of the Council which is scheduled for October 1994 in Massachusetts.



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# COMING EVENTS

## MASSACHUSETTS MAPLE PRODUCERS ASSOCIATION ANNUAL MEETING

Saturday, January 8, 1994

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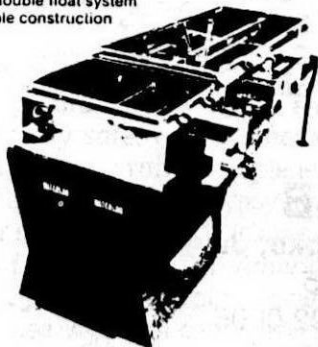
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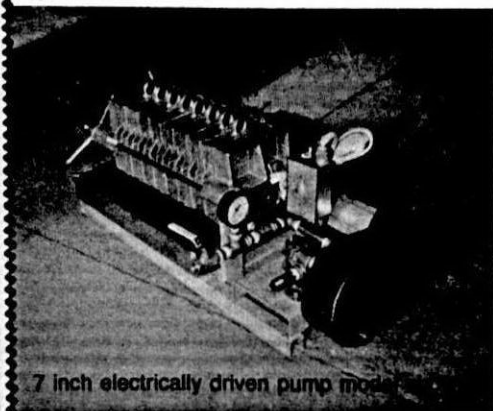
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# PROGRESS TOWARDS INTEGRATED PEST MANAGEMENT IN SUGAR MAPLE STANDS

*Is it simple to manage sugar maple insect pests?*

By Bruce L. Parker, Margaret Skinner & Michael Brownbridge  
Entomology Research Laboratory  
University of Vermont  
Burlington, Vermont

It is not a simple matter to protect the health of sugar maple trees yet it is absolutely essential that you, the sugarmaker, keep in mind that it should receive the highest of priorities. **REALLY** — if we can't protect our trees — if they become weakened, stressed and eventually show signs of severe dieback and mortality sets in — **FORGET SUGARING.**

Did you know that there are more than 150 different insects that feed on sugar maple? Just think . . . 150 different species each acting and interacting in a slightly different way. It is no wonder that scientists and pest managers have such a hard time developing management strategies that are practical, economical and socially acceptable. We are lucky though — only about 8% of the insect species feeding on sugar maple can be considered real bad actors.

Here at our laboratory we are working hard to develop an environmentally safe, useable method to manage pear thrips, maple leafcutter and maybe even gypsy moth in your stands. With financial assistance from the *North American Maple Syrup Council* our research on the use of fungal pathogens for control of these pests is progressing rapidly. This past summer we

field tested some of these fungi in sugarbushes located in central Vermont. The fungi were formulated as wettable powders, emulsifiable concentrates and granular materials and applied to small experimental plots. Our efforts were concentrated on how they worked against maple leafcutter and pear thrips. Although we used one application rate, we did make our applications at several different times during the growing season. Studies on the persistence of the fungal formulations in forest soils were also started.

Although data are still being taken from the forest, it appears as though at least partial success was obtained. Of the three different fungal pathogens that we tested, our *Verticillium* strains (prepared as wettable powders) were the most effective in reducing populations of maple leafcutter. The very same *Verticillium* strains were also effective against pear thrips in our laboratory trials. You know, Rome wasn't built in a day and we didn't expect to provide all the answers in just one season. Next year our formulations will be modified and application timing and rates adjusted to improve our results.

Based on your suggestions we



are now beginning experiments to determine the impact of our fungal materials on non-target organisms. This exciting aspect of our work will facilitate later product development. We have initiated cooperation with the Environmental Protection Agency (EPA) and they are

most interested in our biological control research. ***Our goal is to develop a holistic and sustainable strategy for managing insect pests of sugar maple.*** Results of our field trials indicate that this goal can be reached in the very near future.

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# WISCONSIN 1994 MAPLE SYRUP INSTITUTES

By Chris Hauge

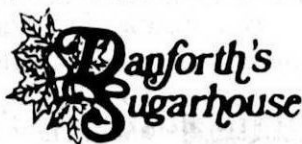
In Wisconsin we call them institutes, you might call them maple schools, meetings or conferences but our goal is all the same — education. Our sessions will be held during the first part of January. Lynn Reynolds and other council members always accuse me of picking either the week with the most snowfall or the coldest temperature, but even so, we do get turn outs of from 300 to 400 persons. The institutes will be held on the following dates and locations:

Saturday, Jan. 8, Aniwa; Tuesday, Jan. 11, Brussels; Wednesday, Jan. 12, Merrill; Thursday, Jan. 13, Phillips; Friday, Jan. 14, Elmwood and Saturday Jan. 15, Cadott.

The program will include highlights from the NAMSC and IMSI meetings in Nova Scotia, such as

the labeling proposal. We will also include basic producer information for the beginner. The equipment dealers in Wisconsin make the tour and set up their displays at all sites. We find our producers like to arrange with the equipment dealers to bring supplies to these sessions for them to pick up. I certainly want to give a "Hats Off" to these faithful equipment suppliers who give this whole week to help make the institute series what it has developed into being. The final program details will be developed at the semi-annual meeting of the Wisconsin Maple Syrup Producers Council during the December meeting. All maple syrup producers and those interested in learning more about making maple syrup are invited to attend.

For more information, contact Chris Hauge, Forestry Specialist, College of Natural Resources, UW-Stevens Point, 2100 Main Street Stevens Point, WI 54481, or phone 715-346-3797.



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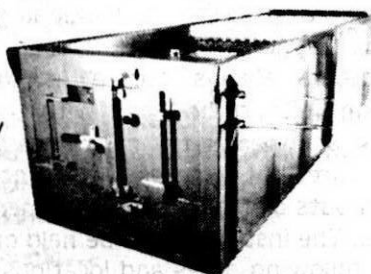
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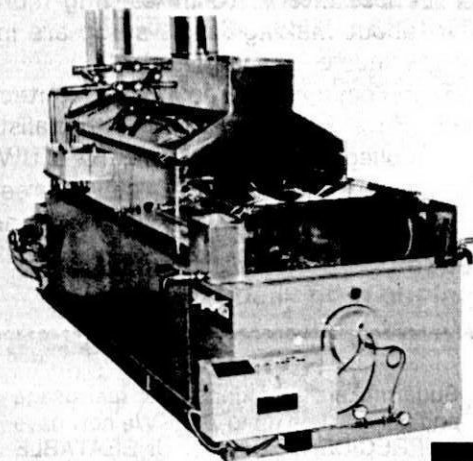
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# 1993 OHIO MAPLE INSTITUTES

By Tom Hoffman

Subjects to be covered include: "Facts and Myths about Tapping Dates," "Maple Grade Name Research," "Costs of Conducting a Maple Business," "Insect and Disease Update," "Sap Storage and Processing," and an out-of-state speaker.

This year's schools will once again be held in three locations:

January 25, Mt. Gilead, Morrow County — Daytime program with trade show.

January 26, Fredericksburg, Wayne/Holmes County area — Daytime program with trade show.


January 26, Middlefield, Geauga County—Evening program for beginners with trade show.

January 27, Middlefield—Daytime program with trade show.

The topics to be covered will be the same at all locations plus the addition of "How To Destroy Good Maple Syrup" at Fredericksburg.

For more information on exact times and registration please contact the coordinator of the schools, Larry Ault, (216) 263-3831.

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# REMINDER Research Proposal Guidelines

Research projects may be submitted for consideration based on the following guidelines:

(1) Proposals must be received no later than July 1, 1994 for consideration in 1994. Proposals received after that date will be considered in 1995.

(2) Proposals shall be complete and detailed in content. However, proposals shall contain a short concise cover statement briefly explaining cost, scope, objective, procedure, and anticipated value to the maple industry.

(3) Proposals shall contain detailed estimated cost breakdown, within the detailed report.

(4) Proposals shall be submitted with a minimum of forty (40) complete copies.

(5) Proposals must contain a complete reference section listing and explaining any similar of duplicating research previously accomplished. Proposals for duplication of previously completed research must contain detailed explanations of why such duplication is warranted.

(6) Results or progress of funded projects must be presented annually at the convention of the NAMSC and must be published in the Maple Syrup Digest as soon as possible after completion.

(7) Send proposals to: Lynn H. Reynolds, Research Committee, North American Maple Syrup Council, W10010 Givens Road, Hortonville, WI 54944.

Remember: July 1 Deadline.

# Contributions to the NORTH AMERICAN MAPLE SYRUP COUNCIL RESEARCH FUND

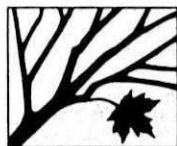
As of September 30, 1993

Please send all contributions to:  
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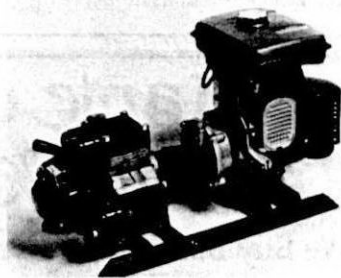
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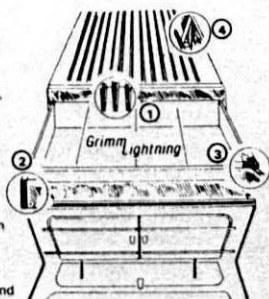
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