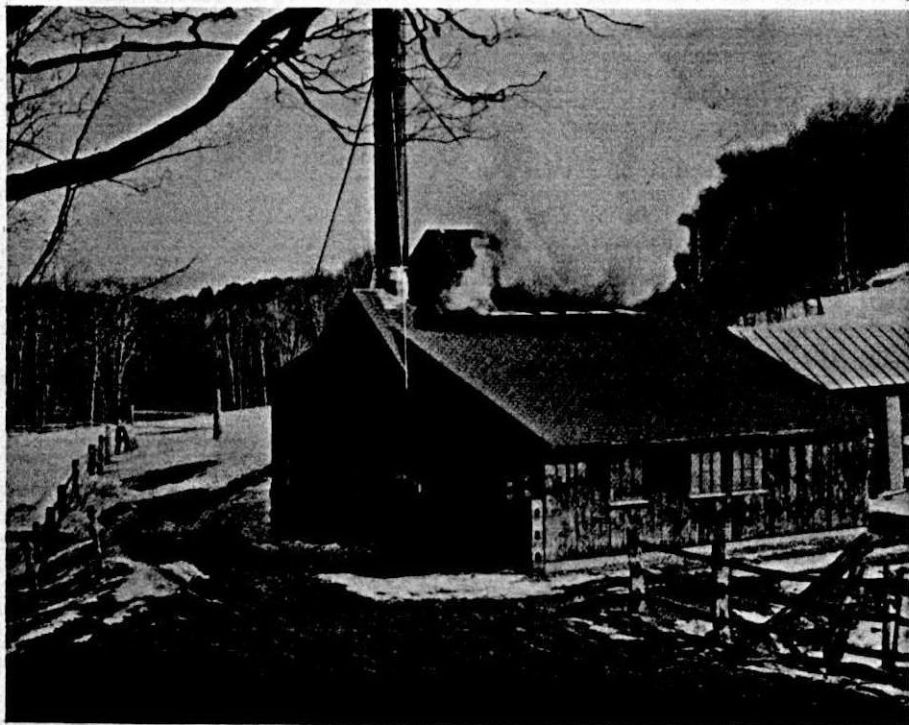




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Vol. 2A No. 1

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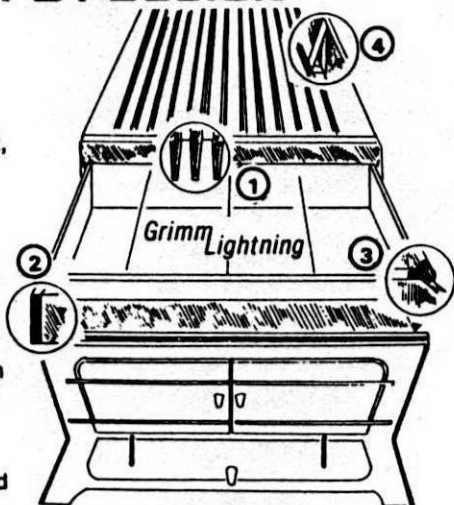
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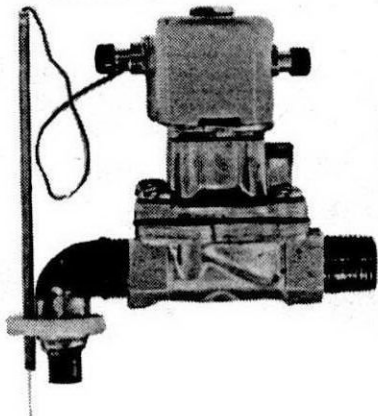
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MAPLE SYRUP DIGEST

Official publication of the
NORTH AMERICAN
MAPLE SYRUP COUNCIL

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EDITORIAL

COVER PICTURE

The sugarhouse shown on our cover this issue belongs to Gordon Richardson, Hartland, VT. Gordon is the inventor of the piggy-back flue pan manufactured by Small Brothers. The picture was submitted by Robert Moore, Rutland, VT., who used to own the G.H. Grimm Co.

MAILING ADDRESS

In the last issue I told you I had resigned as editor of the Digest but I guess I didn't say just when the change would take place. I still don't know exactly, but it will probably be sometime after the first of June, 1990. During next summer we could, as politicians say, make a more "orderly transition" of the change.

For the time being all communications, subscriptions, advertising and printable material should be sent to the same address you've been using: The Maple Syrup Digest, RD 2, Box 126, Bainbridge, NY 13733. Roy Hutchinson has agreed to take over the job starting with the October issue which begins a new fiscal year. The exact date of the change will be published in the June issue.

TAPROOTS

The pamphlet which compiles all the "Tap Roots" columns to date is still available. If you'd like a copy, send a dollar to the Maple Syrup Digest, RD 2 Box 126, Bainbridge, NY 13733, and I'll mail it to you, prepaid. They're good for dealers to give out to "backyard" producers and can be purchased in quantities of 25 or more for 50 cents each.

ASSOCIATION SECRETARIES

PLEASE HELP! Since we expect to start moving the Digest to Roy Hutchinson's in New Hampshire soon after the

first of June, it's more important than ever to get your membership lists to me by the May 1st deadline or sooner if possible. After all, they paid their dues this winter and should receive the June issue.

SUBSCRIPTIONS

We've included a subscription blank as we usually do for your convenience, in the center of this issue. The expiration date of your subscription is shown after your name on the mailing label on the front.

If your subscription is not covered by your association, please use this form right now to make sure you get the June issue. Subscription rates are shown on the blank.

ARCHIE

Since I won't be editing the Digest much longer, there's some things I must do. One is to give credit where credit is due. I think most of our readers would like to know who writes 'Archie's Sugarbush' since that's the first column a lot of folks read. "Well, it wuz like this:"

Way back in 1974 I received a "letter to the editor" from one of our readers in Ohio. The letter, from Archie's Sugarbush, was simply signed "Your truthful friend, Archie."

It was written by Byron Kent, 6225 Amberside Drive, Columbus, OH 43229, and he said he thought it would be best if he remained anonymous. Byron graduated from the University of Michigan and worked for the Division of Forestry in Columbus, Ohio. He kept sending a letter, episode, I should say, for almost every issue until he retired two or three years ago, and got "too busy" as many retired people do. He's had some help since then, but still contributes occasionally and recently agreed to let you folks know who's responsible.

The Digest prints a lot of technical articles and reports that can be pretty dry reading, sometimes. Byron said he en-


joyed writing Archie's Sugarbush "just for the fun of it," and hopes it added a bit of humor. I'm sure it did.

I think I'm the luckiest guy in the Maple Syrup Industry. Doing the Digest has enabled me to make many, many friends all over a big chunk of the North American Continent. Byron Kent was one of those friends. Thank you, Byron. Keep the column coming.

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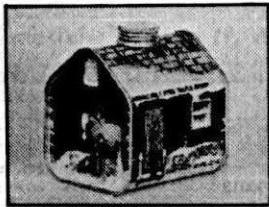
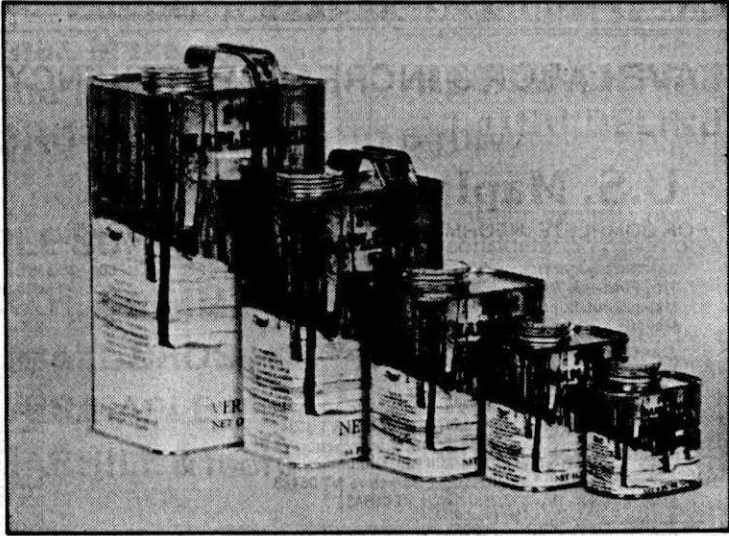
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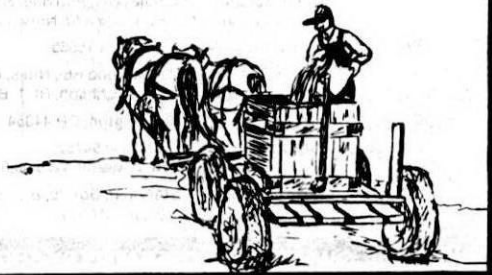


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	David Baitscholtz - Box 107, Rensselaerville, NY 12147	518-797-3402
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	Randy Sprague - 51 Maple Ave., Portville, NY 14770	716-933-6637
	Todd's Sugarhouse - Rt. 1, Box 470, Norwood, NY 13668	315-353-2808
PA	Dale Jeffrey - W. Salisbury, PA 15565	814-662-2934
MI	Dodd's Sugarshack - 1654 Dodd Rd., Niles, MI 49120	616-683-3283
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In Memorium

Frederick Laing, well known to all of the Maple Industry for his lifetime of work in maple research, died on January 3rd, 1990, at his home in South Burlington, Vermont.

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, 1990 for consideration in 1990. Proposals received after that date will be considered in 1991.

(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 thirty-six (36) complete copies.

(5) Proposals must contain a complete reference section listing and explaining any similar or 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, Route 2, Box 326, Hortonville, WI 54944.

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COMING EVENTS

Iowa Maple Syrup Festival, Indian Creek Nature Center, Cedar Rapids, Iowa, Mar. 3 & 4, 1990.

Warkworth Maple Syrup Festival, Warkworth, Ont., Mar. 10 & 11, 1990.

Maine Maple Sunday, Mar. 25, 1990, rain or shine.

West Oxford Syrup Festival, Sweaburg, Ont., Mar. 31 & Apr. 1, 1990.

Andover Maple Festival, Andover, NY, Mar. 31 & Apr. 1, 1990.

Somerset Co. Maple Festival, Meyersdale, PA, Tree Tapping, Feb. 24 noon. Festival Mar. 31 & Apr. 1 and Apr. 4-8, 1990.

Marathon Maple Festival, Marathon, NY Mar. 31 & Apr. 1, 1990.

Elmira Maple Syrup Festival, Elmira, Ont., Apr. 7, 1990.

Elmvale Maple Festival, Elmvale, Ont., Apr. 7, 1990.

Geauga Co. Maple Festival, Chardon, OH, Apr. 19 - 22, 1990.

Vermont Maple Festival, St. Albans, VT, Apr. 20 & 21, 1990.

Perth Festival of Maples, Perth, Ont., Apr. 28, 1990.

Endless Mountain Maple Festival, Troy, PA, Apr. 28 & 29, 1990.

Potter-Tioga Maple Festival, Coudersport, PA, May 5 & 6, 1990.

Schoharie Co. Maple Festival, Jefferson, NY, May 5 & 6, 1990.

American Maple Museum opening, Festival, State Queen contest, and Hall of Fame induction at Croghan, NY, May 19, 1990.

Wisconsin Maple Festival, Gas Engine Show and Antique Museum, Reynolds Plant, Aniwa, WI, May 26 & 27, 1990.

New Brunswick MapleFest, Edmundston, N.B., Canada, June 1 & 2, 1990.

Vermont Maplerama, St. Albans area, VT, July 27 & 28, 1990.

New York Maple Tour, Clinton Co. NY, July 23 & 24, 1990.

North American Maple Syrup Council's 30th Annual Meeting will be held in Batavia, NY, Oct. 21, 22 & 23, 1990.

GREETINGS FROM THE PRESIDENT



Welcome to the 1990's folks - a new year and a new decade. I mentioned this to my youngest son, Seth, the other day and he came back with, "Boy, I can't wait for the next 10 years when we usher in 'year 2000'. That will be a new year, a new decade, a new century and a new millennium, WOW!" I agreed it should be an exciting occasion but that I could wait. At my age years go by too fast anyway and I would like to take my time enjoying "the ninety's."

However, we are fast approaching the first "ninety's" sugaring season. There seems to be optimism in the air, at least in the Thrips infested areas of '88 in New England. Little damage in '89 and a wonderful growing season has let trees in very good condition going into the 1990 maple season. However,

problems have persisted in Pennsylvania. It is very important that the high level of research started on this insect is maintained and brought to a conclusion.

A couple of other pieces of info that should be of interest to you. First - the fact that there is a massive surplus of syrup in Quebec going into the 1990 season. How this could affect your own sales, marketing and pricing. Keep alert to it. Second - many of you will recall that 2 years ago NAMSC invested \$1000 to pay in part for sending a Vermont surveillance person, Bruce Martel, to California to evaluate what was being sold in that area as pure maple syrup.

As was reported to NAMSC in Oct. '88, a considerable amount of "fake" Mississippi Maple Syrup was being offered for sale. Mr. Martel brought this to the attention of the FDA, who was already involved in the case. However, this new information strengthened the case which finally came to a grand jury in the fall of '89. The jury delivered 12 indictments against Anthony Pilgram four of which involve maple adultera-

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tion. He now goes on trial for these indictments. Trial date has been set for April 9, 1990.

A news story of the Maple Industry involvement in this case broke nationwide in November. Since then the phone has been ringing off the hook from all over the U.S. with incidents of this fake product still being offered for sale. While this story has heightened public awareness of the facts, it also appears we are far from "out of the woods" as far as removing products from the shelf. Recent phone conversations between inspector Martel and the FDA indicate that the FDA is actively trying to collect as much and as broad a range of information and product as possible.

Each of you in your own state can help by looking for this product locally. Usually it's in a pint or quart plain glass

jar, often with a plain paper label saying "Pure Maple Syrup" with some kind of Mississippi address. Make an effort to inform your own state regulatory people at once and find out what they are or will do in your state.

Be observant on any trips you may be taking around the U.S. this winter. Report any product you find. If you or your state regulatory people want more info on this case or find product, contact either or both parties listed below:

Bruce Martel, Chief of Insp.
Vermont Dept. of Agric.
116 State St.
Montpelier, VT 05602
802-828-2429

Carl Draper
FDA Office
Nashville, Tenn.
615-736-7120



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This is a very complex case and may not have as swift and simple conclusion as you might expect. Any and all evidence that can be found prior to April 9 could be most important.

Also, for your interest, as of January, 1990, Vermont will have established a fourth table grade of maple syrup with it's designated color standard. This is the first time a fourth color designation has been used in the United States. This project has been a cooperative effort by the Vermont Maple Industry, the Vermont Commissioner of Agriculture and the Vermont Legislature. The new color designation will be the same as that used for the fourth grade in Canada. The new grade in Vermont will be known as "Vt. Grade B" which was previously known as "VT. Grade C" in part.

There is hereby also established a fifth grade to be known as "Commercial." Most syrup too dark for "Grade B" will fall into this grade. "Commercial" grade cannot be packaged or sold for retail

consumer use. It can be used for processing, flavoring, cooking, etc. We expect this new color and name designation to do several things:

It should enhance both retail and bulk price. It should give Vermont a better image in the market place. It should provide the consumer with a more consistent and better quality product in this grade.

At the national level efforts continue on the re-establishment of crop reporting with NNAS in our maple states currently without service. The experience with the 1988 ASCS Maple Disaster Payment Program bears out the important need for this kind of info.

Work on the re-writing of a new U.S.D.A. Maple Manual is continuing to progress. More on this as the year goes on. With that, I'll wish you all a Great Maple Year in 1990!

Sincerely,
Bill Clark



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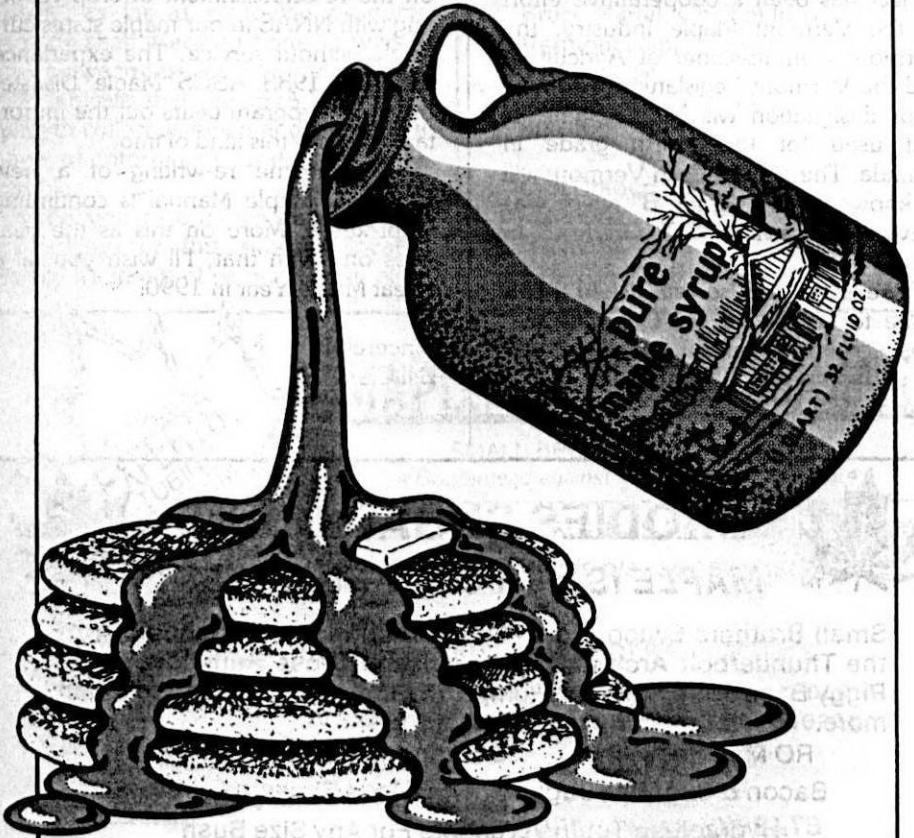
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WOMEN'S PAGE

From Nancy LaTourette
Sidney Center, N.Y.
Ed. By Mary Lou Sipple

Maple Walnut Sticky Buns

Ingredients

Dough

1/3 C. Milk	1/4 C. Warm water
1/4 C. Sugar	1 Pkg. active dry yeast
1/2 t. Salt	1 Egg
1/4 C. Butter	2 1/2 Cups Flour

Sticky Mixture

1/4 C. Butter	3 Tbs. Maple Syrup
1/4 C. Light Brown Sugar	1/4 C. chopped Walnuts

Filling

1/4 C. Melted Butter	1/4 C. Chopped Walnuts
1/2 C. Brown Sugar	
1/2 t. Cinnamon	1/2 C. Raisins

Method:

Dough-Heat milk until bubbles form around edge of pan. Remove from heat. Add sugar, salt, and 1/4 cup butter. Stir to melt butter. Cool to lukewarm. Sprinkle yeast over warm water. Stir in warm milk mixture. Add egg and 2 cups flour. Beat until smooth. Add remaining half cup flour. Turn out onto lightly floured board. Knead until smooth about 8 to 10 minutes. Cover. Let rise in a warm place until double, about 60 to 90 minutes. Roll on floured board into 16x12 inch rectangle.

Sticky Mixture - Cream all ingredients together. Spread on bottom of 9x9x2 inch baking pan.

Filling - Spread melted butter over dough. Sprinkle with remaining ingredients. Roll up from long side, jelly roll fashion. Cut cross-wise into 12 pieces. Place cut side down in pan (on sticky mixture). Let rise until doubled, about 60 to 90 minutes. Bake 20 to 25 minutes at 350° degrees, or until golden brown. Invert on plate. Let stand 3 minutes; remove pan. Serve warm.

Maple Delight

2 C. Milk	2 Eggs separated
1 C. Maple syrup	3 Tbs. Tapioca Dash Salt

Cook in double boiler 15 minutes or until tapioca is clear. Add beaten yolks of 2 eggs, then in beaten whites. Serve in sherbert glasses topped with whipped cream. Serves 6.

Maple Baked Apples

6 Large apples (Rome Beauty are best)
2/3 C. Chopped almonds or walnuts
1/2 C. Maple syrup
1/2 C. Apple juice or cider
3 Tablespoons Butter
Nutmeg or Cinnamon

Remove small slice from the base of each apple so they will stand upright. Core within 1/2 inch of bottom. Make shallow cut around the middle of each apple to allow for expansion during cooking. Fill centers with nuts, and arrange in a shallow baking pan. Heat syrup, juice, and butter in a small sauce pan. Pour over and around apples. Sprinkle with nutmeg or cinnamon. Bake 375° for about 40 minutes or until tender, basting often. Serve as a side dish with pork or game or with ice cream for dessert. Serves 6.

Maple Baked Ham Slice

1 Ham slice
1 C. pure NY maple syrup

Method: Put ham slice in shallow dish, pour on syrup. Bake 30-35 minutes in 325° degree oven.

FROM BARBARA BRAY N.Y.S. MAPLE QUEEN

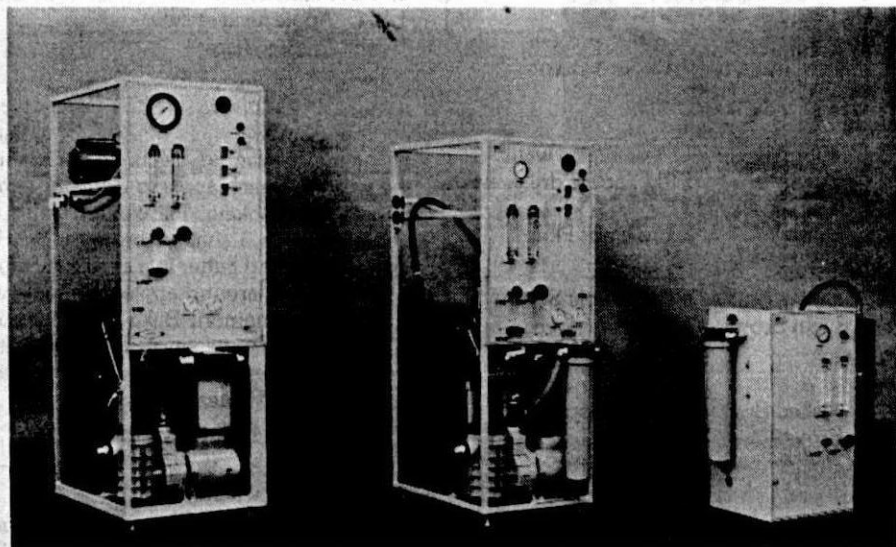
Soon the Maple Season will once again be upon us, the hard work and dedication already becoming evident. As the New York State Maple Queen I would like to give you a recipe for the first run of 100% pure maple goodness. I wish everyone a safe and plentiful Syrup Season.

Maple Spice Cake

1/2 C. Shortening	1 3/4 C. Flour
3/4 C. Sugar	2 t. Baking powder
1/4 C. Maple Syrup	1/2 t. Salt
2 eggs beaten	1/2 t. Cinnamon
1/3 C. milk	1/4 t. Clove
	1 t. Vanilla

Preheat oven to 350°. Cream Shortening with sugar. Add in syrup and eggs; Mix well. Add milk. Sift together flour, baking powder, salt, cinnamon, and clove. Add to mixture. Beat in Vanilla. Pour batter into a greased 10" square cake pan. Cook for 40 minutes, or until done.

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MAPLEFEST '90 THE MAPLE INDUSTRY TOWARDS THE YEAR 2000

Word has been received that the maple producers of the province of New Brunswick will be holding their third bi-annual Maplefest this June. The international event will feature seminars, technical workshops, field tours, equipment exhibitions, product displays and fun and games.

The setting will be the scenic city of Edmundston, overlooking the Saint John River on the Maine border and the villages of Kedgwick and Saint Quentin, in the heart of New Brunswick's Maple country.

The theme of the two-day event will be "The Maple Industry Towards the Year 2000". In Edmundston, the morning of Friday, June 1, seminars will be given to address the following: The Status of the Maple Industry in New Brunswick, The Promotion of Maple and the Latest Technological Developments in the Maple Industry. One of the largest maple equipment exhibitions ever held will also begin Friday. The evening will feature supper and an

evening of French hospitality (soirée).

On the following day, visitors will have the opportunity to visit Kedgwick and Saint Quentin where some of the most modern and efficient sugar bushes in North America are located and to speak to their owners. The afternoon will feature the very popular New Brunswick style Maple Olympics.

The two day event will conclude with a banquet and dance Saturday night in Kedgwick and Saint Quentin.

Simultaneous translation facilities will be in place for both the seminar and field tour, providing all information in both of New Brunswick's official languages, English and French.

The event is being co-organized by the New Brunswick Maple Producers Co-op, Regional Maple Producers Associations including L'association des Producteurs des produits de l'érable du Nord Ouest and L'association des Acériculteurs de Hauts-Plateaux and the Forest Extension Service. For further information, contact Dale Wilson at the Forest Extension Service: P O. Box 6000, Fredericton, NB, Canada, E3B 5H1; Telephone number (506) 453-3711.



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CONNECTICUT NEWS

by Darrell F. Russ

At the 13th annual meeting of the MSPAC, Elmer Kress, Mary Kress and Elmer Sinclair were elected to the new honorary status of Life Members of the Association. Elmer and Mary Kress, originators of Kress Creations maple syrup containers, are well known throughout the maple region. They were founders and benefactors of the Maple Syrup Producers Association of Connecticut. Elmer Sinclair was an early member, diligent officer and long-time first editor of the Association Newsletter "Drop in the Bucket."

For the second year in a row the meeting site was located outside Connecticut. This November 11th meeting was held at the Congregational Church in Sunderland, Mass. The election of officers resulted in the re-election of Richard Norman, President; Ken Sherrick, vice president; Barbara Atwood, secretary and Avis Norman, coordinator. Douglas Langer was elected as a director for a two year term as were

Mike Girard and Paul Williams who were re-elected. Directors not up for re-election this year include: Newell Atwood, Glen Boies and Rob Lamothe.

Other business set preliminary plans for a maple workshop to be held on January 20, 1990, at the Black Ledge Country Club in Hebron CT, with Sheldon Wells as host.

Russ Davenport entertained those assembled with a slide show of his maple operation. Tours of the Sugar Hills facilities and the Mt. Toby Sugar House completed a full and interesting day.



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YOUR AMERICAN MAPLE MUSEUM

At 7:00 am on May 19, 1990, the American Maple Museum will officially commence it's 13th year. The American Maple Festival will start with the traditional pancake and sausage breakfast then proceed to the selection of the New York State Maple Queen for 1990 and the Maple Hall of Fame induction ceremonies.

There will be the usual tours of the Museum and outside exhibits of new

equipment along with antique engines and machines. Equipment manufacturers and distributors who wish to exhibit at the Festival should contact Warren Allen at RD Box 254, Castorland, NY 13620 or call him at (315) 346-6706.

The New York State Maple Queen contest is again headed by Martha Campney and entry forms are available by writing her at Box 82, Beaver Falls, NY 13305. Martha says girls interested in competing should be residents of NY State, between 16 and 21 years old and the daughter of and sponsored by a maple producer or local maple association. She will be expected to give a 2 to 3 minute presentation on the topic of her choice with relevance to the maple industry.

The young lady selected will represent



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VICTOR E. PUTNAM
MAPLE HILL FARMS

the maple industry at the NY State Fair and other fairs and field days as the official representative of the maple industry. Barbara Bray, the reigning Maple Queen, has been busy during the past year with these activities and told Mrs. Company she has had a great time.

Two people who have made outstanding contributions to the maple industry will be inducted into the Maple Hall of Fame where their efforts will be internationally recognized. This is the highest honor the maple industry has to offer.

Those who have visited the Museum before will note the continuing refurbishing of the building. During the winter and early spring, volunteers have worked to paint and paper and fix up your Museum. This is a continuing project with work progressing as funds allow. And for those who plan to visit for the first time, we feel you will be pleased.

The American Maple Museum is unique in that the building includes a complete kitchen and dining room where pancake breakfasts are held to raise a good deal of the funds needed for its operation. Other funding is received from the N.Y. State Maple Producers Association, The County of Lewis and memberships.

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For those planning to come to the American Maple Festival from far away, food and lodging is available at the Miller House in Croghan. Rooms are clean, bath is shared. Call (315) 346-1515. The following are in Lowville, 10 miles away: The Ridgeview Motor Lodge, 376-2252; Rosedale Motel, 376-2931; or the LeHav Motel, 376-2721. Other facilities are available in Boonville or Watertown.

Should you want to find Croghan on a map, it is in Lewis County on NY Route 812 and the Museum is on Main Street. For more information, call Les and Vera Lyndaker at 346-6060.

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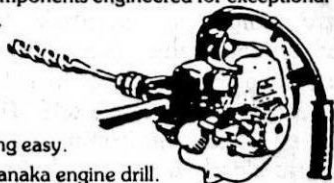
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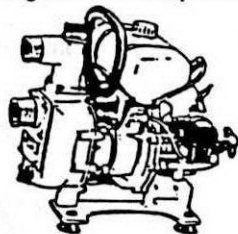
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M.L. Whalen and M.F. Morselli
Botany Department

This is an abbreviated list of publications available from the two sources listed below. The Maple Research Laboratory (Botany Department, University of Vermont, Burlington Vermont 05405), maintains a complete updated file of the full publication list since 1891. The dissertations on Maple Research and historical documents on the Maple Industry are available at the UVM Bailey-Howe Library, Wilbur Collection.

On the form on the back of this page, please circle the publication number(s) you wish to receive. For each reprint, the number of pages is given so that you may calculate your cost at \$.17 per page (includes postage). Please make checks payable to the UNIVERSITY OF

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- | | | | |
|------|---|------|---|
| 35. | Marvin, J.W. 1946. Some factors influencing sap flow in <i>Acer saccharum</i> Marsh. (Abstr.) <i>Am. J. Bot.</i> 33 (10):824. | 95. | sugar maple: an 18-year study. <i>Forest Sci.</i> 13(4):346-351. |
| 37. | Marvin, J.W. 1949. Changes in bark thickness during sap flow in sugar maples. <i>Science</i> 109:231-232. | 108. | Mathes, M.C. 1967. The in vitro growth of <i>Acer saccharum</i> and <i>Acer pennsylvanicum</i> callus tissue. <i>Can. J. Bot.</i> 45:2195-2202. |
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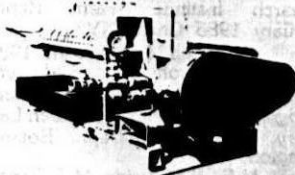
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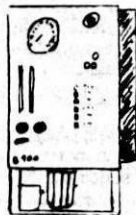
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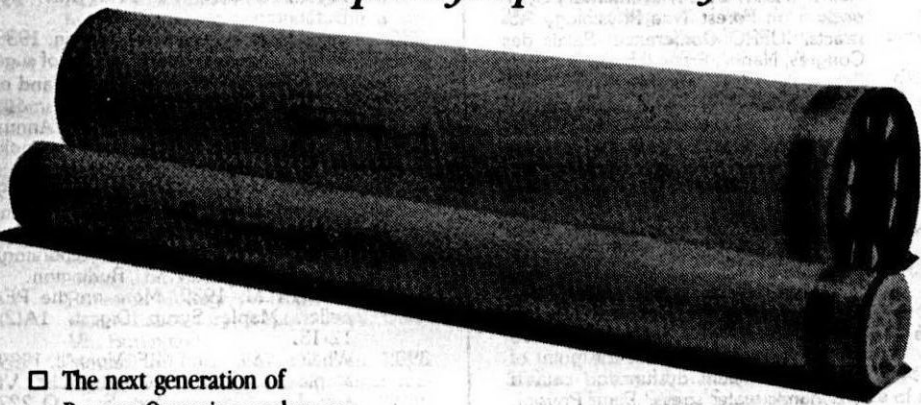
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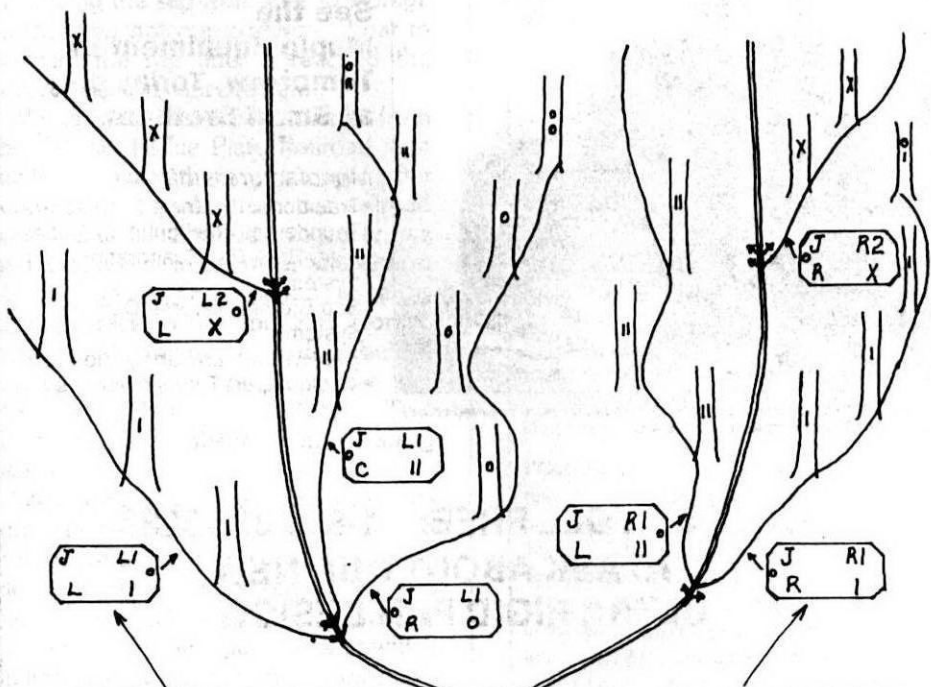
Ever since tubing came out in the 50's we've used this system for marking it and like it the best of any we've seen yet. It requires no maps or records, you can pick up a roll in your storage shed and immediately know where it goes in the bush and a "rookie" can be taught to install tubing very easily.

After marking the trees, as in last issue's "Tap Roots", you'll need some tags. These are made of aluminum flashing about 1 1/2" X 2 1/2" with the

corners clipped. A 3/8" hole in one end is made by drilling a stack of 10 or 12 at a time on a drill press.

A Scripto marking pencil is best for marking the tags. This is like an ever-sharp but has thick "leads" made of a soft, crayon like material. The cost very little in most drugstores. The marks will stand weather and the chlorine in the wash tanks for years but can be easily wiped off with a rag soaked in gasoline. We like ordinary bag strings to tie them to the tubing.

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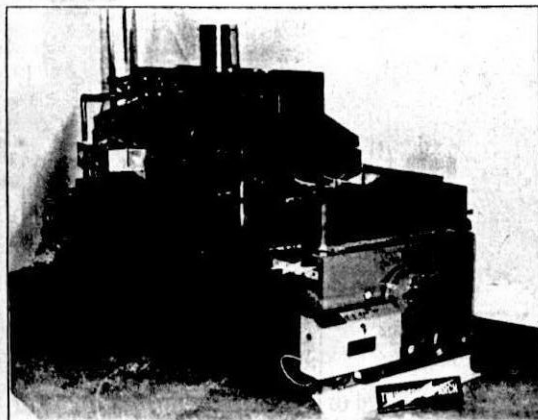
Let's say this is the Jones bush. All tags will have a J in the top left corner. The lines coming off the first tee on the left main line will be marked L1 in the top right corner. The line going to the left from that tee will be marked L in the lower left corner and it will have a 1 in the right corner indicating the mark on the trees of that line.

On this tag the J stands for Jones bush; the R1 means right hand main line, first tee; the R means line goes to the right and 1 stands for the symbol on the trees.

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ARCHIE'S SUGARBUSH

Dear Mr. Editor:

My wife she sez, "Truthful Archie," sometimes she calls me Honest Archie, "Please tell that nice Mr. Editor man about the storage problem we had when we tapped the round forty." Well, ya see, it was like this:

We was having sap storage problems for several years after we expanded our number of taps from 600,000 to 3/4 of a million (all in the round forty). We was using the most modern scientific means of moving the sap from tree to storage so that was not our problem. What to do with the sap after it reached the sugar house was our problem.

We had purchased 50 tank cars from the defunct Nickle Plate Railroad with the idea of using them for storage. After removing the tanks from the railroad wheels and welding them together, we had a tank 8 ft. in diameter and almost 1/2 mile long. The railroad gave us enough track to rest this long storage pipe on. We thought we had the bull by the tail when we completed the sap storage tank but we were fooled. Two things made us abandon it. Cleaning was one.

We bought 3 wheel all terrain vehicles and attached sprayers and scrubbers to run up and down inside the tank to clean it. They always ran out of gas before even half way through. The time element to get them gas, some of which spilled and went into the evaporator, was too great. And no one wanted gasoline flavored syrup.

We found out the government was selling some of the missile man silos in North Dakota real cheap. We bought one and had it flown air freight to the round forty. We dug the hole 278 feet deep to put it in but when the C 5 A, which was hired to fly the thing in, crashed on take off and broke the silo, we cancelled our order.

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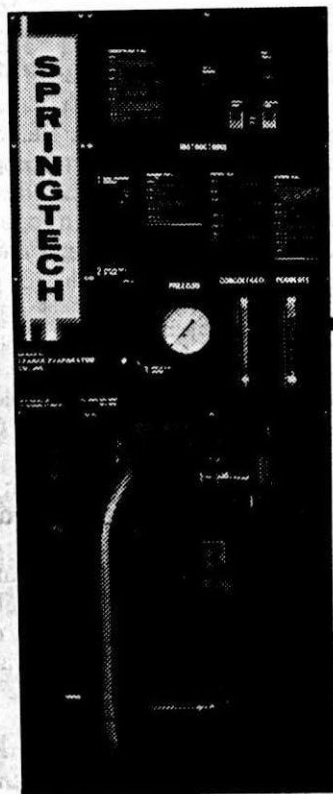
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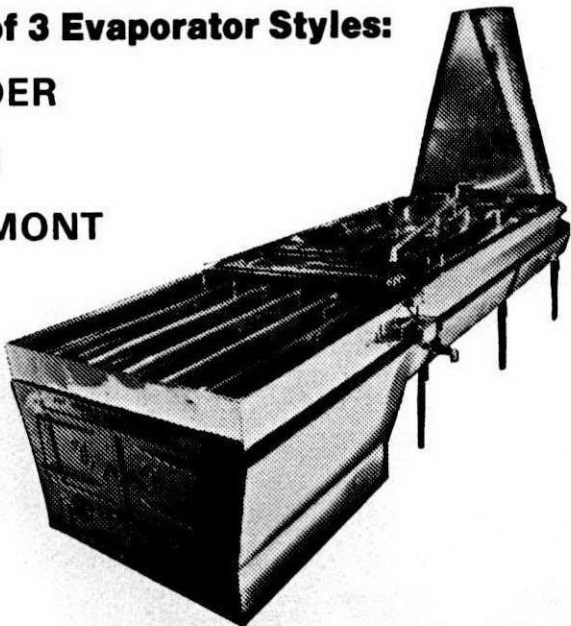
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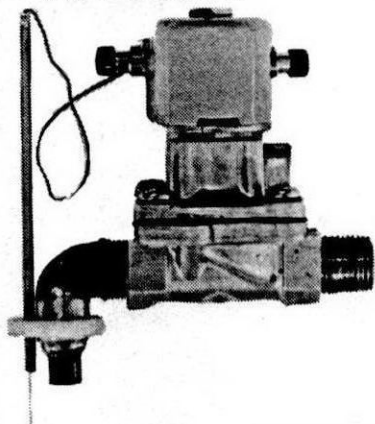
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