

2-4-92

WESTERN CASCADE FRUIT SOCIETY

NEWSLETTER

W I N T E R 1 9 9 2

PRESIDENT'S MESSAGE

The threat of the loss of WSU fruit research statewide has required that your board of directors vote an increase in annual dues for membership from the current \$10 to \$15. All of the increase will be donated to promote fruit research in our area. Thank you for helping support this essential program.

See you at the Annual Meeting and scion exchange on March 7.

Paul Donaldson - WCFS President

EDITOR'S MESSAGE

As expected, several articles from the last newsletter brought responses from our members. Differences of opinion, as long as they are carefully and logically brought before our membership, are healthy indicators of our diversity and knowledge. So don't miss the letter from David C. Migron concerning Dr. Bordeau's article, Chemicals In The Home Orchard, or the additional information concerning the "best apples for Western Washington." Keep you ideas and input flowing. We can all learn from each other. Please note the early deadline of March 27th for the Spring Newsletter. My wife Kathy and I are planning a vacation to Scandinavia to visit our daughter and explore family roots.

Dave Battey - WCFS Newsletter Editor, Snoqualmie

ARE YOUR WCFS DUES DUE?

Check the upper right-hand corner of your WCFS Newsletter mailing label. If you find a big mean green reminder label on your bulletin or if the month and year on the mailing label are past, you are in danger of being dropped from our mailing list. If the date is up to three months in the future, you have one more newsletter coming. Please remit dues to Charles Parkman, P. O. Box 128, Carlsborg, WA 98324 or to your chapter treasurer.

FALL FRUIT SHOW BIG SUCCESS

Our WCFS Fall Fruit Show was very successful. Attendance was up to 1240 paid admissions, about 75 more than last year. Over 215 distinct varieties of apples were shown, about fifty of them additions to the 1990 list. See inside for a full inventory of all fruit shown, and a list of the apples identified for the public by our experts at the show.

We want to thank everyone who contributed to this wonderful once a year sharing with the public, with special note to those from the Home Orchard Society who traveled from Oregon to provide fruit identification expertise for the show.

Profits from our show, in the area of \$1500, will be used to further fruit research. (At our January WCFS Board Meeting we voted to donate \$2000 to research)

A special survey done by our ticket takers helped us understand the value of our promotional program for the fruit show. Attention given to WCFS by King/Pierce County Horticultural Agent George Pinyuh on his television and radio programs was responsible for one third of our attendance. Thank you George!

PROGRAM FOR THE ANNUAL SPRING MEETING & SCIONWOOD SALE

SATURDAY, MARCH 7, SNOHOMISH COUNTY COOPERATIVE EXTENSION SERVICE
(Exit I-5 north on 128th, Go east 1/4 mi. to McCollum Park. Drive past swimming pool & park work area to complex)
EXIT 186 **SCION SALE 10AM - 2:30PM**

WCFS Business Meeting - 9:30AM

WCFS President Paul Donaldson

Consideration When Planting Your New Tree - 10:00AM

George Pinyuh: King/Pierce County Horticultural Agent

Cooking With Small Fruit - 11:00AM

Francois Kissel: Owner/Chef - Maximilien-In-The-Market

Lunch - A Sack Lunch Is Suggested.

Pick Up Your Pre-Ordered Rootstocks from Walt Lyon - See note below.

Peaches & Filberts, Culture & Varieties - 1:30PM

Harry Lagerstaff: Retired professor, OSU & Orchardest at Corvallis

WCFS Annual Board Meeting - 3:00PM

WCFS President Paul Donaldson

NOTE: PRE-ORDERED ROOTSTOCKS SHOULD BE PICKED UP AT THIS MEETING.

BYLAWS CHANGES SUGGESTED FOR DISCUSSION/ACTION MAR 7

(SUGGESTED CHANGES IN ITALICS)

ARTICLE II, SECTION 1: Members shall pay such annual dues to the Western Cascade Fruit Society as may be determined by the Board of Directors. Annual dues shall be paid on the anniversary of their joining. *Dues for members with a WCFS chapter affiliation shall be shared with the chapter as determined by the Board of Directors.* (This change validates the practice of splitting dues with chapters.)

ARTICLE V, SECTION 1: The officers of the society shall consist of a President, Vice President, Secretary ~~(or combined Secretary-Treasurer)~~, *Recording Secretary, Corresponding Secretary, and Treasurer.* (This change is suggested to spread the workload of secretary and include the office of treasurer.)

section 4 change also required.

DUES INCREASE FOR FRUIT RESEARCH VOTED BY BOARD

Due to the very real threat that WSU will abandon their original charter and focus as a land grant funded agricultural college and eviscerate the very useful and successful fruit research being done west of the Cascades, your board of directors voted on January 11, 1992 to increase WCFS annual dues from \$10 to \$15, with the full \$5 of this increase being allocated to fruit research.

LAST YEAR'S ANNUAL MEETING MINUTES

The following minutes from last year's WCFS Annual Meeting are printed here for the members to approve at this year's meeting on March 7.

MARCH 2, 1991: The WCFS Annual Spring Meeting was held at the Snohomish County Extension Center. Seventy-eight members and twenty-five guests signed the roster.

9:30 am: President Paul Donaldson opened the meeting by welcoming all members and guests. He called for a reading of the minutes from the last annual meeting. Dick Tilbury read the minutes of the March 3, 1990 spring meeting. The minutes were approved as read.

TREASURER'S REPORT: Chuck Parkman presented the following financial statement for 1990:

INCOME

Fall Fruit Show	\$3,884.16
Dues and contributions	3,270.50
Rootstock sale	2,490.17
Scionwood sale	431.58
Sale of WCFS caps	13.00
TOTAL INCOME	\$10,089.41

EXPENSES

Fall fruit show expenses	\$2,748.13
Donations to tree fruit research	2,000.00
Rootstock purchases	1,445.51
Newsletter printing and postage	505.19
Insurance	417.00
Consultant fee (IRS nonprofit application)	325.00
Orchard tour expenses	205.31
Office expenses and postage	178.46
IRS nonprofit filing fee	150.00
Speaker honorarium	100.00
Purchase of three cash boxes	50.02
Jim Anstis memorial	50.00
State sales tax filing	27.00
Ferry fares for board members	19.00
Annual corporation filing fee to state	10.00

TOTAL EXPENSES \$8,230.62

This compares with 1989 income of \$7,624.93 and expenses of \$6,440.88. Current bank balance is approximately \$5,850. Paul Donaldson commented that the bank balance will be reduced shortly when the board decides on 1991 contribution to tree fruit research.

PRESIDENT'S REPORT: Paul Donaldson summarized key business items of the WCFS board of directors:

1. The impact of Dr. Robert Norton's retirement on continued tree fruit research at the Mt. Vernon research station is of concern. This may affect the board's decision for the 1991 WCFS donation to the station.
2. Long time newsletter editor Nancy Jo Cushman resigned and Ed Lewis stepped in as a temporary editor for two issues. Dave Battey will assume the position of newsletter editor starting with the next edition.
3. The site for the Fall Fruit Show is a continuing business item. The Center for Urban Horticulture (CUH) at the U of W has been reserved for the 1991 show on November 2 & 3. We will be looking at other sites for future shows, e.g., the Kitsap County fair grounds. The Western Washington fairgrounds at Puyallup have been ruled out as too expensive.
4. Sites for board meetings have been Snohomish County Cooperative Extension, Bellevue-Newport library and WSU's Puyallup research center. A South Sound site appears best for good attendance.
5. The Allemdinger conference center at WSU Research and Extension Center in Puyallup may serve as a future WCFS annual spring meeting site.
6. WCFS received IRS nonprofit status in 1990 and a nonprofit organization bulk mailing permit was obtained.
7. Efforts continue on procedures for coordination between the WCFS treasurer, chapter treasurer's and the WCFS membership chairman.
8. Sites for the 1991 Fall Orchard Tour must be decided.
9. The fall tour of the Buckner Orchard at Stehekin was enjoyed by all attending WCFS members.
10. Investigations for better liability insurance coverage were unsuccessful and our current policy was renewed.
11. Ways of stimulating more membership involvement in WCFS activities are being investigated.

ELECTION OF NEW BOARD MEMBERS: Elected board members whose 3-year term expires are Ed Lewis, Pat Rothenburg and Dick Tilbury. Nominating committee coordinator Lyle Knudson announced that Gil Schieber, Ernie Mazzei, and Ray Mathisen had accepted nomination. There were no nominations from the floor, nominations were closed and nominees were elected by a unanimous voice vote of those present.

NEW BUSINESS: Ed Lewis asked what the current WCFS membership was. Chuck Parkman responded that it was over 500 members.

Charles Armstrong asked for the number of new members recruited at the 1990 Fall Fruit Show. Thirty new members were recruited.

Paul Donaldson stated that no new chapters were formed over the past year. Possible sites for new chapters are the Bellevue area, Tacoma area, Whatcom County (Bellingham area) and Bainbridge Island.

The business meeting was adjourned at 10 am.

THESE MINUTES ARE PUBLISHED HERE FOR RATIFICATION AT MARCH 7 ANNUAL MEETING

CHECK YOUR LABEL TO SEE IF YOUR WCFS DUES ARE DUE

FRUIT IDENTIFICATION AT THE 1991 FALL FRUIT SHOW

WCFS was very proud to help our members and the general public identify "mystery" fruit (mostly apples) at the Fall Fruit Show. This is one of our most valuable services. The I.D. team this year was from our sister organization, the **Home Orchard Society (HOS)** in Oregon. Experts were Morris Smith, Loren Mills, John Walker, and Wayne Huffstutter. Dr. Bob Norton from the Mount Vernon Washington Experiment Station also assisted. They helped 144 people identify 213 fruit specimens as follows:

FRUIT IDENTIFIED AT THE SHOW

Akane	1	Fallwater	1	Mollie's Delicious	1	Spartan	3
Alexander	1	Gloria Mundi	1	Mutsu	3	Spitzenburg, Esopus	3
Arkansas Black	1	Golden Delicious	22	Newtown Pippin	1	Stayman Winesap	3
Baldwin	1	Golden Sweet	1	Northern Spy	4	Sweet Winesap	1
Belle de Boskoop	1	Gravenstein	3	Ortley	1	Twenty Oz. Pippin	1
Belmont (Waxen)	2	Gravenstein (Red)	1	Pear Anjou	1	Unknown	25
Ben Davis	1	Grimes Golden	5	Pear El Dorado?	1	Wagener	1
Black Gilliflower	2	Jonagold	4	Pear Unknown	1	Wash. Strawberry	1
Blue Pearmain	1	Jonathan	22	Red Astrachan	1	Wealthy	1
Buckley Giant	1	Kidd's Orange Red	1	Red Delicious	6	Whitney Crab	1
Calville Blanc	1	King	31	Red June	1	Winesap	5
Chehalis	3	Lady	1	Rhode Is. Greening	2	Winter Banana	6
Cortland	1	Liberty	4	Rome	4	Wolf River	1
Crabapple (Generic)	2	Macoun	3	Rome (Red)	1	Yellow Bellflower	1
Criterion	1	McIntosh	1	Roxbury Russet	1	York Imperial	1
Dutch Mignone	2	Melrose	1	Seedlings	5		

1991 FRUIT SHOW INVENTORY

The following lists are inventories of the number of "plates" of a specific variety that were displayed at our 1991 show. An entry with no number following it was a single display. An asterisk (*) denotes a variety that was not shown in 1990 (It may have been shown in a previous year).

This was a very difficult fruit year. Fruit set in the Puget Sound Country was generally way below normal. As a result, the number of varieties and plates shown were less than 1990. The 218 varieties (including "sports") shown in 1991 included 47 varieties not shown in 1990. For comparison, there were 94 "new" varieties in 1990 and 75 in 1989.

Varieties with five plates or more (including "sports") were:

Jonagold (10)	Liberty (6)	Belle de Boskoop (5)	Northern Spy (5)
Tompkin's King (7)	Macoun (6)	Elstar (5)	Spartan(5)
Gravenstein (6)	Melrose (6)	Esopus Spitzenburg (5)	

Last year (1990) varieties with five plates or more were:

Jonagold (16)	Akane (8)	Gravenstein (6)	Golden Delicious (5)
Gala (14)	Idared (8)	Holstein (6)	Hudson's Golden
Liberty (11)	Mutsu (8)	McIntosh (6)	Gem (5)
Spartan (11)	Ashmead's Kernel (7)	Opalescent (6)	Macoun (5)
Melrose (10)	Elstar (7)	Spigold (6)	Westfield-Seek-No-
Northern Spy (9)	Calville Blanc (6)	Baldwin (5)	Further (5)
Tompkin's King (9)	Criterion (6)	Esopus Spitzenburg (5)	Yellow Newton (5)

Dave Battey - Snoqualmie

1991 WCFS FRUIT SHOW VARIETY LIST

(* = NOT ON '90 LIST)

APPLES

AKANE 3
 ALASKA 1*
 ALEXANDER
 ALKMENE 2
 ARLET 3*
 AROMA 2
 ASHMEAD'S KERNEL 3
 ATLAS 1
 BALDWIN 2
 BELLE DE BOSKOOP 3
 BELLE DE BOSKOOP (RED)*
 BEN DAVIS
 BIETIGHEIMER
 BLACK GILLIFLOWER 2
 BRAEBURN 2
 BRAMLEY SEEDLING 2
 BROCK 3
 BUCKLEY GIANT
 BURGUNDY 3
 CALVILLE BLANC D'HIVER 3
 CENTENNIAL CRAB*
 CHEHALIS 3
 CHENANGO STRAWBERRY
 CHESAPEAKE
 CHESTNUT CRAB
 CHO YOU*
 CLAYGATE PEARMAIN
 CORTLAND 3
 COURT PENDU PLAT 2
 COW JERSEY
 COX'S ORANGE PIPPIN 2
 CRITERION
 DAVEY
 DELICIOUS (RED) 4
 DELISTEIN*
 DEMOCRAT 2
 DISCOVERY
 DREW'S RED
 DUTCH MIGNONNE
 DUCHESS OF OLDENBURG*
 DYER (POMME ROYALE)
 EARLY GOLDEN
 EARLY HARVEST
 EGREMONT RUSSET 2
 ELEYI SEEDLING*
 ELMER*
 ELSTAR 5
 EMPIRE 2
 EMPRESS
 ERWIN BAUER 2
 ESOPUS SPITZENBURG 4
 ESOPUS SPITZENBURG (RED)

FAMEUSE (SNOW) 2
 FIESTA 2*
 FIRESIDE*
 FLORINA*
 FORTUNE SEEDLING #5
 (BRIAN MULLIGAN)
 FOXWHELP
 FRANKLIN
 FREEDOM
 FREYBERG
 FUJI
 FUJI (RED)*
 FUJI REDSPORT
 GALA 3
 GALA (RED)*
 GALA (ROYAL) 2
 GEORGE CARPENTER
 GLOCKENAPFEL*
 GLOSTER 2
 GOLDEN DELICIOUS 3
 GOLDEN HORNET CRAB*
 GOLDEN NUGGET
 GOLDEN RUSSET 3
 GOLDEN SWEET
 GOUDREINETTE*
 GRAVENSTEIN 3
 GRAVENSTEIN (RED) 3
 GREENSLEEVES*
 GREEN KEEPER*
 GRIMES GOLDEN
 GROVE 3
 HARALSON 2
 HAWAII
 HAWLEY
 HENER-20*
 HENRY KOHANKIE CRAB*
 HOLIDAY
 HOLLY*
 HOLSTEIN 2
 HONEY CRISP*
 HOWGATE WONDER 2
 HUBBARDSTON NONESUCH
 HUDSON'S GOLDEN GEM 3
 IDARED 3
 INGRID MARIE
 JAMES GRIEVE
 JEFFERIS 2
 JONAGOLD 10
 JONAGORED*
 JONAMAC 2
 JONATHAN
 JONWIN 2
 KALAMA RIVER*
 KARMIJN DE SONNEVILLE 2

KEEPSAKE
 KERR
 KIDD'S ORANGE RED 3
 KINGSTON BLACK 2
 KING DAVID
 KING'S ACRE PIPPIN 2*
 LADY
 LADY SUDELY*
 LIBERTY 6
 MACOUN 6
 MAIDEN BLUSH
 MARBLE*
 MAIGOLD 2
 MCINTOSH 2
 MCINTOSH (GATZKE)
 MELROSE 6
 MERTON CHARM*
 MERTON PIPPIN*
 MICHELIN
 MONROE
 MOSA-64
 MOTHER 2
 MUTSU 3
 NEWTOWN PIPPIN
 (SEE YELLOW NEWTON)
 NEW YORK 315
 NEW YORK 316
 NEW YORK 4408-11
 NEW YORK 428
 NEW YORK 429 2
 NEW YORK 543
 NEW YORK 61345-2*
 NEW YORK 718
 NEW YORK 723 2*
 NIAGARA
 NITTANY
 NORTHERN SPY 3
 NORTHERN SPY (EARLY)*
 NUGGET
 OHIO NONPAREIL 2
 OPALESCENT 3
 OREI
 ORENCO
 ORIN
 ORIOLE*
 ORLEANS REINETTE 3
 PACIFIC PRIDE 2
 PALOUSE 2
 PEPIN SHFRANNYI*
 PINK PEARL 3
 PITMASTON PINEAPPLE
 PORTER 2
 PORTER'S PERFECTION
 PRIMA 2

PUMPKIN SWEET
 RAMBO (STRIPPED)
 RED BARON
 RED CANADA
 REDGOLD
 RHODE ISLAND GREENING 3
 RIBSTON PIPPIN 2
 ROME
 ROUNDTREE SWEET
 ROXBURY RUSSET 2
 SALCOTE PIPPIN*
 SALOME 2
 SAYAKAI*
 SEKAI ICHI 2
 SHENANDOAH
 SHINKO
 SIERRA BEAUTY
 SIGNE TILLISCH
 SMITH RIVER GREEN*
 SMOKEHOUSE
 SNOW (SEE FAMEUSE)
 SPARTAN 5
 SPENCER
 SPIGOLD 4
 SPLENDOR (RED)
 SPY (RED)*
 STARK JUMBO
 STATE FAIR
 STAYMAN WINESAP
 STURMER PIPPIN
 SUMMERRED
 SUMMERLAND
 SUNRISE*
 SUNSET*
 SUNTAN
 SUTTON'S BEAUTY
 SWAAR
 SWEET ALFORD
 SWEET COPPIN
 SWEET SIXTEEN*
 TOKO
 TOMPKIN'S KING 7
 TWENTY OUNCE 2
 TYDEMAN'S LATE ORANGE

TYDEMAN'S RED 2
 VIKING
 WAGENER
 WASHINGTON STRAWBERRY*
 WEALTHY 2
 WEALTHY (RED)*
 WESTFIELD SEEK NO FURTHER
 WHITE WINTER PEARMAN 2
 WICKSON
 WILLIAMS PRIDE*
 WINCHESTER
 WINTER BANANA 2
 WINTERSTIEN
 X-ELLENT*
 YELLOW NEWTON 2
 YELLOW TRANSPARENT
 YORK IMPERIAL
 YOUNG AMERICAN (CRAB)*

P E A R S

ANJOU
 A-RI-RANG
 BARTLETT
 BOSCH 3
 CHOJURO 2
 COMICE 6
 CONFERENCE
 DUCHESS D'ANGOULEME
 DUMONT 2
 ELDORADO 2
 GIESER WILDEMAN
 HIGHLAND
 ICHIBAN-NASHI*
 KOSUI*
 MISHIRASU*
 NEW YORK 10274?
 ORCAS*
 PACKHAM'S TRIUMPH 2
 RESCUE 3
 SECKEL 2
 SEURI
 SHINSEIKI
 SHINSEIHO NASHI*

SINGO*
 STARKRIMSON 2*
 STARK'S DELICIOUS
 STOVE PEAR
 TWENTIETH CENTURY 2
 (NIJISEIKI)
 WINTER BARTLET*

G R A P E S

ISLAND BELLE*
 NIAGARA*

O T H E R

CLOVE CURRENT*
 (RIBES ODORATUM)
 HERITAGE FALL RASPBERRY*
 KIWI (ACTINIDEA ARGUTA) 6
 KIWI (ACTINIDEA CHINENSIS)
 ABBOTT/ALLISON*
 BLAKE*
 ELMWOOD*
 GRACIE*
 HAYWARD 2*
 MONTY*
 SAANICH*
 KIWI (ACTINIDEA MELANANDRA)
 KIWI (ACTINIDEA POLYGAMA)
 NUTS
 CHESTNUTS (EUROPEAN
 SEEDLING)*
 BARCELONA FILBERT*
 DAVIANA FILBERT*
 CHOPAKA WALNUT*
 FRANQUETTE WALNUT*

Q U I N C E

SMYRNA
 PINEAPPLE

FRIENDS OF WESTERN WASHINGTON FRUIT RESEARCH

About thirty interested people met separately after the WCFS Board on January 11, and formed the Western Washington Tree Fruit Research Foundation. WWTRF will become a separate non-profit organization dedicated to the political and financial support of continued research. This new organization is made necessary by WSU budget cuts and re-prioritization that threaten local research. (See separate article on WCFS dues increase to support research). Sam Benowitz was named president, with directors representing the following groups: Joe Birringer - Nursery industry, Alan Merritt - Commercial tree fruit growers, Chuck Parkman & Lyle Knudsen - WCFS, Marlene Falkenbury - Mastergardners, Gil schieber - TILTH, Don Shakow - Financial Advisor and board secretary. Individual donations can be made to the Western Washington Tree Fruit Research Foundation, 391 Butts Road, Morton, WA - 98356.

MORE ON THE BEST APPLE VARIETIES FOR W. WASHINGTON

In the Fall 1991 Newsletter we shared Ed Lewis' list of Ten Best Apples for Western Washington, knowing that we would get feedback from some of you fans. Below is a list researched by member Bruce Kelley. It came from an very informative list of fruits for local use that he formatted on his MacIntosh computer as a two-sided, 8 1/2 X 11 handout for friends.

VARIETY	SEASON	USES
AKANE	EARLY	DESSERT
BRAMLEY SEEDLING	LATE	CULINARY
BROWN RUSSET	LATE	MULTI-USE
CHEHALIS	EARLY	MULTI-USE
DISCOVERY	EARLY	DESSERT
FREEDOM	LATE	DESSERT
HUDSON'S GOLDEN GEM	LATE	DESSERT
IMPROVED BUCKLEY GIANT	MID-SEASON	CULINARY
LIBERTY	EARLY	DESSERT
SPARTAN	MID-SEASON	DESSERT
WILLIAM'S PRIDE	EARLY	CULINARY
WOLF RIVER	MID-SEASON	CULINARY

Bruce also recommends the following eight plums and also lists pears, cherries, peaches, apricots, seedless table grapes, and Kiwis. Thank you for sharing, Bruce.

VARIETY	TYPE	FEATURES
MIRABELLE	EUROPEAN	YELLOW FREESTONE
EARLY LAXTON	EUROPEAN	ORANGE-PINK FREESTONE
SENECA	EUROPEAN	RED FREESTONE
STANLEY	EUROPEAN	ITALIAN-TYPE PRUNE
BEAUTY	JAPANESE	RED
METHLEY	JAPANESE	PURPLE
SATSUMA	JAPANESE	RED, SEMI-FREESTONE
SHIRO	JAPANESE	YELLOW, EXTRA SWEET

Bruce Kelley - Battleground

"THIRTEEN" BEST APPLES

A 1989 update to Dr Robert Norton's initial 1985 list referenced last newsletter is:

Summerred	Gravenstein	Cox's Orange Pippin
Chehalis	Elstar	Gala
Karmijn de Sonnaville	Jonagold	Liberty
Melrose	Mutsu	Empire
Jonamac		

If I were limited to just ten apple varieties I would have to modify Ed Lewis' list to include Cox's Orange Pippin or one of the varieties with Cox parentage such as Holstein, Karmijn de Sonnaville, Fiesta, or Kidd's Orange Red. For an outstanding dessert apple the Cox's Orange Pippin influence can't be beat.

Dick Tilbury - Seattle

SPRING WCFS NEWSLETTER DATES

Media to be included in the Spring edition of the WCFS Newsletter must be in the hands of the Newsletter Editor by Friday, March 27, 1992. The Spring edition will be printed/mailed during the week of April 5.

Dave Battey - Newsletter Editor

HISTORY CORNER - IMPORTED BLACKBERRY PESTS OF WASHINGTON

This is not a story with an entomological flavor. The pests in this story are not insects, but the actual berry vines themselves. Since childhood I have been aware that the large, eager, prolific, fiercely barbed, fruitful, briar patch building blackberries of the Pacific Northwest were not natives. I am referring, specifically, to the commonly named "Evergreen Cutleaf" and "Himalayan" blackberries. In the short time since Euro-Americans transplanted them here they have been diabolically efficient at covering acres and acres of land in the Puget Sound Country. We might even call them the Kudzu of the Maritime Pacific Northwest. Hardly anyone grows them for berries anymore, preferring newly bred or selected "thornless" types, but with the help of birds dropping their seed and the tip-rooting of their long canes, they are marching relentlessly over our landscape.

Pre-contact Native Americans of the Pacific Coast made exhaustive use of plants - what with dressing in cedar bark clothing and all. Plants for food were also a major food source, and collecting enough food was a challenge. Maize (corn) and "real" potatoes were not found this far north. Indian potatoes were not really potatoes, and were much smaller and more difficult to gather than the giant spuds of today. In the early 1850's Puget Sound pioneer and explorer Samuel Hancock wrote of Indian women and children filling canoes with berries, which they allowed their bare-foot children to stomp in for awhile before squeezing out the juice and some of the seeds to make berry cakes to dry for the winter. Most folks today would consider the filling of a canoe with berries to be a challenge, but certainly not an impossible task, given the prolific Evergreen and Himalayan blackberries that roam everywhere over the land. However, the natives didn't have these prolific weeds to pick from. Native berries were mostly what we call Salmon and Thimble berries, along with huckleberries, salal berries, Oregon grape, and a few wild blueberries and rare strawberries. All of these berries are sparse producers and the most abundant of them (Salmon and Thimble) are full of large seeds. So filling and preserving a canoe full of berries was a real challenge for lots of busy hands.

On the other hand, these same natives didn't have to worry about running through the woods and getting caught in a briar patch. The real native blackberries are the very low growing (and exceptionally good tasting) types, whose "canes" rarely exceed 3/16 inch in diameter and whose genes have been bred into many of the best newer varieties. If the Evergreen and Himalayan berries had been around, their heavy 3/4 inch canes and 3/16 inch curved barbs would have really ripped in to moccasins and bare legs. As it was, even in the winter, most local Native Americans wore little or no clothing (although most women did wear cedar-bark skirts). But that didn't give the Indians a free run through the woods, since they had another plant to contend with that used an arching and limb-tip rooting process much like blackberries. This plant was vine maple. Vine maple likes the low land along rivers and lakes - the type of land typically traversed by Indian trails. It grows slowly in the undercanopy, and has little trunk rigidity. Once hit by a heavy enough snow, the vine maple becomes horizontal, and the underlying branches take root. Then another generation arises, becomes topheavy, and falls over to root again. Some Native Americans called vine maple "snake root". A patch of the stuff starting from one point and spreading for hundreds of years could cover many acres of understory and was almost impenetrable. Almost all of the patches of vine maple we see today are younger, and although they often block the way, are small enough to circumvent. In the last 150 years we have almost eliminated the challenge caused by vine maple, and replaced it with thorny imports.

Next time - more on the immigration of the killer blackberries

Dave Battey - Snoqualmie

CHECK YOUR LABEL TO SEE IF YOUR WCFS DUES ARE DUE

ORGANIC PEST MANAGEMENT PREFERRED

Last quarter's article by Dr. Robert Bordeau spoke of the importance of cautious spray applications in the home orchard and the confusion among scientists concerning the veracity of toxicity testing. David C. Mirgon, involved commercially in organic pest management since 1979, writes in reply:

First, in reference to Dr. Bordeau's article, I agree that the uproar over ALAR was blown way out of proportion as to what the actual hazards might be.

Second, it is very important to plan what you are going to do (to manage pests) on your crop. Identify the pests as well as any beneficial insects that are present in your environment. Study the biology and habits of the pests. Gain understanding of the possible effects of pesticides on yourself, your neighbors, and the environment.

Organophosphates and Carbobamates, a pesticide group which includes Diazinon, Dursban and Malathion, are cholinesterase inhibitors and were developed by the Germans for WWII. Dow Chemical Company recommends tests on individuals using these chemicals as a baseline before application begins, and recommends a 30 day cholinesterase inhibitor free waiting period between baseline tests.

On April 13, 1988, the EPA advised commercial applicators and consultants, "Acting out of concern that the use of Diazinon pesticides poses widespread and continued hazards to birds, [EPA has] banned the use of this pesticide on golf courses and sod farms. This action concluded over a year of hearings concerning the scientific evidence on the benefits and risks."

The above warning should be taken into consideration when making treatment plans for the orchard, yard, or edible crops. While many orchardists would like to get rid of birds, they are predators of many insects. Ducks and geese keep weeds down and slugs out and starlings are the predators of the crane fly.

As early as 1984, the state of California Regional Water Quality Control Board found 57 different pesticides in their ground water, including Chlordane, DDT, Diazinon, Dursban, Heptachlor, Lindane, Kelthane, and Malathion to name a few. As far as I know, the state of Washington is not doing similar testing. These pesticides, some banned since 1972, are not breaking down, but are remaining in the ground water.

To complicate matters further, over 400 insect and mite species have become resistant to pesticides. It does little good to apply pesticides when your target group is resistant and beneficial insects (including those predatory to your target) are not.

According to State Bulletin 1014, Thiodan is hazardous to livestock. Make sure there are no horses or cows in the vicinity when spraying.

In closing, let me state that indications are increasing that there are problems with pesticides. Many have not been adequately tested and were grandfathered in. Many that were available have been banned. Many are not being re-registered by the Chemical Companies because of the high costs of required studies. There is increasing public concern over the use and abuse of pesticides, including the attitude that if 2 pounds per acre is good, then 5 pounds must be better. Only use pesticides as a last choice, when there are no other alternatives.

David C. Mirgon - Pest Management Consultant - Seattle

CHECK YOUR LABEL TO SEE IF YOUR WCFS DUES ARE DUE

ROOTSTOCK ORDERING INFORMATION

We had trouble getting all of our rootstocks in time for the WCFS Annual Spring Meeting last year, but I think things will be different this year. Tom Thornton always makes a trip down to Oregon about the last week in January to pick up his rootstocks, and he volunteered to get ours at the same time. Following is a list of the ones I have asked him to get for us:

AMT	TYPE	USE	AMT	TYPE	USE
300	Mark	Apple	300	P-22	Apple
200	M9	Apple	100	GM 61-1	Cherry
200	OFxF 333	Pear	100	Citation	Plum, Cherry, Apricot

The OHxF 333 and Citation had already been ordered from a nursery in Oregon, and a deposit made on them. However, Tom will pick them up for us while he is there. The others he will just add to his orders. And, of course, we will get small quantities of M26 and M7A from Tom as we have in the past.

The sale this year will be different in one respect. I won't bring the left over rootstocks to the meeting to sell off the back of my truck. I see no reason why everyone can't decide on what they want and send me an order with payment well ahead of the meeting date (March 7). I can then have all of the orders wrapped and ready for delivery when I come to the meeting. If anyone wants rootstocks and can't get to the meeting, you may call me and arrange to pick them up here at my home after the meeting. If you want to be sure of getting the kind of rootstocks you are interested in, please send me your order as soon as you can.

ROOTSTOCK ORDER FORM *(Please Mail As Soon As Possible)*

PRICES: MARK, M9, M26, M7A, CITATION \$1.50 Each 10 or more \$1.20 Each
 P22, OHxF 333 \$1.75 Each 10 or more \$1.50 Each
 GM 61-1 \$2.00 Each 10 or more \$1.75 Each

TYPE	NO.	COST	TYPE	NO.	COST	TYPE	NO.	COST
MARK			M26			OHxF 333		
M9			M7A			GM 61-1		
CITATION			P22			SUB TOTAL		
TAX (8.2%)			TOTAL					

NAME: _____ TELEPHONE: _____
 ADDRESS _____

Please fill out the above form and return with check (made out to WCFS) which must include sales tax. Mail to: Walter L. Lyon, 19717 80th Avenue NE, Bothell, WA - 98011, (206) 483-5574.

Walt Lyon, Bothell

SURVEY OF FREEZE DAMAGE

If anyone lost fruit trees due to the cold weather last winter, I'd like very much to hear about it. What prompts me to ask is that I had ten young plum trees, three and four years old, all grafted on PIXIE understock, and I lost seven of them. They were all healthy looking trees last fall. They were well established, and had been growing in my back orchard for two years. This spring they just didn't come out. Only one of the seven understocks made any attempt to grow, but it was dead well below the graft. I was told that PIXIE was hardy enough for this area, and that it was being used in Michigan and on up into New England. These losses really surprised me because the temperature at my home only got down as low as 0° one night and just before it got that cold we had nine inches of insulating snow, which more than covered all seven grafts. None of my other fruit trees were damaged. There was a young nectarine in the same row that was not hurt.

Please let me know if you lost any trees due to the cold, especially if they were grafted on PIXIE.

Walt Lyon, 19717 80th Ave NE, Bothell, WA - 98011, (206) 483-5574

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WESTERN CASCADE FRUIT SOCIETY EDITOR

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(Please indicate whether you wish standard WCFS membership or affiliation with a chapter. Yearly dues for standard or chapter memberships are \$10, except as noted)

NAME(S) NEW RENEWAL

STREET ADDRESS

CITY, STATE, AND ZIP

PHONE ***PLEASE CHOOSE ONE CATEGORY BELOW***

STANDARD \$10() NORTH OLYMPIC \$10() PENINSULA/KITSAP \$10()

PIPER \$10() SEATTLE TREE FRUIT \$18()

SOUTH PUGET SOUND \$10() TAHOMA \$10()

Check to receive "opportunity descriptions" for society participation.

Make checks payable to WESTERN CASCADE FRUIT SOCIETY and mail to:

WCFS Treasurer, P. O. Box 128, Carlsborg, WA 98324.

YOU MAY PAY YOUR CHAPTER TREASURER FOR BOTH CHAPTER & SOCIETY DUES