

rcd 2-17-93

WESTERN CASCADE FRUIT SOCIETY

NEWSLETTER

WINTER 1993

WCFS ANNUAL SPRING EVENT AND SCIONWOOD SALE

(EVERYONE INVITED)

SATURDAY, MARCH 6, 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)



FREE ADMISSION FOR EVERYONE

Special Opportunities

SCION EXCHANGE AND SALE (Only 50¢ a stick) 10AM - 3:30PM — Central Classroom

ROOTSTOCK SALE (BY PRE-ORDER ONLY) 10AM - 3:30PM — West Shed

GRAFTING INSTRUCTION AND HANDS-ON WORKSHOP 10AM-3:30PM — W. Classrm

WCFS Business Meeting - 9:30AM (General business and election of Board)

Paul Donaldson: WCFS President — Auditorium

Program (Main Auditorium)

Minimal Impact Fruit Tree Pest Control - 10:00AM

Cisco Morris: Seattle University

Bee Varieties Pollinating Puget Sound Basin Fruit Trees - 11:00AM

Dan Meyer: WSU Department of Entomology

Lunch — Brown Bag in the Auditorium or Fast Food on 128th

Have you picked Up Your *Pre-Ordered Rootstocks?* - See note below.

Fruit Varieties for Organic Growers In A Moderate Maritime Climate - 1:00PM

Dick Moulton: WSU Area Extension Horticultural Agent, Grays Harbor/Pacific

Newer Insect Pests of Fruit Trees In Western Washington - 2:00PM

Eric Lagossa: Washington State Department of Agriculture, Olympia

OTHER FEATURES

WCFS Annual Board Meeting - 3:30PM (Election of Officers)

WCFS President Paul Donaldson — Auditorium

New Chapter Organizational Meeting - 3:30PM

For Snohomish, Whatcom and Skagit Counties. Tentative Name: **Northwest Washington Chapter**. Meets in West Classroom.

NOTE: PRE-ORDERED ROOTSTOCKS SHOULD BE PICKED UP AT THIS MEETING. See order blank on page 5 of this issue.

PRESIDENT'S MESSAGE

I want to thank all of you who volunteered to help, in any way, to make our 1992 Fall Fruit Show so successful. I am very proud of the enthusiasm and effort you exhibited. Approximately 950 fruit enthusiasts attended the two day event and 333 unique varieties/clones of apples were shown. Net income from the event was \$1,432.47. Thanks again for your exceptional support.

Take advantage of the special opportunity available **FREE** to all members (and the general public) on **March 6**, when our **Western Cascade Fruit Society Annual Event** takes place. For those of you just beginning with fruit, the pre-order of a few rootstocks (see form) from Walt Lyon combined with our scionwood sale (**STILL 50¢ A STICK**) and the all-day "grafting instruction and hands-on workshop" provide all you need to learn how to build-your-own fruit trees.

This bulletin provides members with a final opportunity to purchase rootstocks from WCFS for 1993 planting and grafting. Such purchases bring bulk buying of hard to find rootstock clones to our members and, at the same time, assists in covering Society financial requirements. Send in your order to Walt Lyon today.

EDITOR'S MESSAGE

I want to personally thank those of you who have taken the time to send me your list of the "best" apples for the Puget Sound Country. Please continue to do so. I will have a form available at the Spring Event for you to fill out there or mail in with your favorites.

Note that this newsletter contains a full list of the fruit displayed at our 1992 Fall Fruit Show. It is essential to recognize the significant increase in apple varieties displayed over previous years. We are certainly a diverse group of fruit enthusiasts.

A note to WCFS Chapters. Our newsletter name and address database has just been printed for your use in checking chapter records against the master record that drives WCFS mailing labels. Lists were passed out at the February board meeting. Please check the list and get back to me with any corrections or additions.

We presently mail the newsletter to 570 members. This number includes dues paying members as well as "free" copies to Extension Agents, Life Members, and other persons recognized as vital to the goals of WCFS.

Letters to the editor are welcome on any subject. What would you like to see in your newsletter?

SPRING NEWSLETTER DATES

Please have your input to the editor for the Summer Newsletter by Friday, March 26. The newsletter will be mailed the week of April 6. Thank you very much.

WHATCOM, SKAGIT & SNOHOMISH COUNTY MEMBERS

Interested persons from Whatcom, Skagit, and Snohomish Counties are urged to attend the Spring Event on March 6 at the Snohomish County Extension Office in order to discuss establishing a local chapter of WCFS for residents of these counties. Assistance will be provided by Society officers and members.

HIGH QUALITY ALUMINUM ORCHARD LADDERS AVAILABLE TO MEMBERS

Tallman Ladder Company has agreed to sell their high-quality three-point aluminum orchard ladders to WCFS members at **20% off** if we order now through WCFS. These are very high quality ladders. Members interested in this offer *must* have their checks (made out to WCFS) *in the mail* to Chuck Parkman, P. O. Box 128, Carlsborg, Washington, by February 26. Chuck will pick up the ladders at the factory and deliver them to the Annual Spring Event on March 6 at the Snohomish County Extension Service. This generous offer and free delivery may not be repeated. Let's all thank Chuck Parkman and Bob Tallman for making this opportunity

available. Prices (after discount) are: 6'=\$52.40, 8'=\$60.80, 10'=\$76.00, 11'=\$83.60, 12'=\$91.20, 14'=\$106.40, 16'=\$121.60.

MARCH BOARD MEETING

The next WCFS Board Meeting will be held in conjunction with the Annual Spring Event on March 6 at the Snohomish County Extension Office. This is a special opportunity for non-board members to provide feedback.

Board Meetings are always open to WCFS members (to all, according to the by-laws). Come with suggestions, ideas, comments, criticisms, kudos, etc.

FEBRUARY BOARD MEETING

The last WCFS Board Meeting was held on Saturday, February 6, at the Swasey Branch of the Tacoma Library, 7001 6th Avenue, Tacoma. The agenda was varied and included suggested changes to the bylaws to insure that the immediate past president be retained on the board. Remember that we have voted to make the Tacoma Swasey Library our "permanent" meeting place for the foreseeable future.

LIFE MEMBERSHIP NOMINATIONS

For many years, the Western Cascade Fruit Society has had the option to recognize outstanding contributors to the organization with "Life" memberships. Many of the pioneers in our organization have already been honored. At our 1993 Spring Event, we will have another opportunity to nominate persons who have provided their selfless donation of time and energy to the betterment of fruit growing West of the Cascades.

WE HAVE THE ANSWER

How can I control the fruit pest type moths in my home orchard?

This is a timely question. It is time to get ready for the invasion of our gardens and orchards by Apple Ermine moths, leaf rollers, and Codling moth. These dudes are all night fliers and are fatally attracted to any Black Light Bug Zapper. Suspend the zapper over a large pan of soapy water on a stand about two feet off the ground. I use a timer so that the bug light is only on when needed.

Auxiliary leafroller traps can be set when leaves are about to unfold. They are made of small plastic dishes hung from tree limbs and should contain water mixed with 10% molasses and a tsp of vinegar each.

Be sure to check your trees for little white bundles of pupa and pick off any you can find. For those you miss, spray hatched caterpillars with Bacillus Thuringiensis (BT).

Ed Lewis (206) 454-3615 - Bellevue

ARE YOUR WCFS DUES DUE?

Check the due date on 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.

THANK YOU HOME ORCHARD SOCIETY!!

Once again we want to thank the friendly crew from the Home Orchard Society, our sister organization based in the Portland area, for providing talented and sensitive fruit identification expertise to back up our own John Parker. Fruit identification is an invaluable and essential part of our Fall Fruit Show and is considered one of the most valuable services we provide for the general public (as well as members).

CHAPTER STATUS REPORTS

PENINSULA FRUIT CLUB

We recently had our annual "railroad" change of officers. The new President, Tom O'Connor was doing his usual No, No, but ended in the first chair despite the protests! Barbara Hager is our new Vice President, Mary Brunsberg our very capable secretary, and the Treasurer is Carol O'Connor.

Our membership continues to grow, however, the meetings are generally attended by the same core of interested and capable members. Our January speaker was Mike Rhyerd from Bainbridge Island who spoke on how to get your property designated as open space, agriculture, or forestry.

We are preparing for our Annual Grafting Show at the Bremerton Library on February 20th. Also, some members will be providing fruit growing information at the South Kitsap High School and Peninsula Gardens in Gig Harbor. We will also be at Furneys Nursery in Bremerton.

Members who worked on the very successful Fall Fruit Show include George Boggess, Mary Brunsberg, Andy and Pam Buck, Barbara Hager, Aaron Haynes, Ron James, John and Delpha Jordan, Don and Muriel Lowery (who have the old apple cultivar *Lowry*), Ray Mathisen, Max Meyers, Gloria Moore, Lloyd Neilsen, Tom and Carol O'Connor, Sam Rader, Bob and Jane Reynolds, Dick and Pat Rothenberg, Art Schrom, Mike Shannon, Chris Smith, Ester Starcevich, Mark and Delores Steichen, Frank Stricklin and Mary Swanson. If there were other PFC members not mentioned, my apologies for the oversight.

Carol O'Connor — For the Peninsula Fruit Club

CHECK YOUR LABEL TO SEE IF YOUR WCFS DUES ARE DUE

HELP CHOOSE THE TEN BEST APPLES FOR WESTERN WASHINGTON

The WCFS list of the ten best apple varieties for Western Washington was compiled in 1985. Continuing research and variety evaluation trials at the WSU Mount Vernon Station coupled with the introduction of new apple varieties since 1985 calls for a re-evaluation and update of this list. The 1985 list included the following (In approximate order of ripening): Gravenstein, Akane, Summerred, Chehalis, Liberty, Gala, Spartan, Jonagold, Melrose, and Mutsu.

We are requesting that our WCFS membership review the above list and the additional lists printed in your Fall 1992 Newsletter. **Add your personal knowledge and experience**, and jot down your ten best apple varieties on a postcard and mail to: Dave Battey — WCFS Newsletter Editor, Swenson Farm, 40404 SE 70th Drive, Snoqualmie, WA 98065. A WCFS subcommittee will be formed to analyze your input and create an up-to-date list of the "ten" best.

Make your evaluation based on personal satisfaction — considering taste, ease of growing, disease/insect susceptibility, storage life, etc. Don't forget the older varieties. We'll compile the results and include them in future newsletter articles.

Let us hear from you!

Dick Tilbury — Seattle

ROOTSTOCK ORDERING INFORMATION

LAST CHANCE—LAST CHANCE—LAST CHANCE—LAST CHANCE—LAST CHANCE

All rootstocks must be pre-ordered for pickup at the Annual Spring Event of the Western Cascade Fruit Society, which will be held on March 6 at the Snohomish County Extension Office. Rootstock will not be sold at the meeting. Please correspond with Walt Lyon at the address and phone number listed below if you need to make other arrangements to pick up your order. Please fill out and mail the rootstock order blank printed below.

The following is an updated list (as of 2/8) of rootstocks available for delivery at the Spring Event:

AMT	TYPE	USE	AMT	TYPE	USE
100	Mark	Apple	250	P-22	Apple
50	M9	Apple	65	M26	Apple
10	M7A	Apple	2	GM 61-1	Cherry
50	OHxF 333	Pear	65	Citation	Plum,Peach,Apricot

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

PRICES:	M9, M26, M7A	\$1.50 Each	10 or more \$1.20 Each
	MARK, OHxF 333	\$1.75 Each	10 or more \$1.50 Each
	GM 61-1	\$2.00 Each	10 or more \$1.75 Each
	CITATION	\$2.50 Each	10 or more \$2.00 Each
	P22	\$3.00 Each	10 or more \$2.50 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 _____

If you wish to purchase rootstocks, please fill out the above form and mail it to me well ahead of the March 6 meeting date. Checks should be made out to WCFS and must include sales tax. Mail to: Walter L. Lyon, 19717 80th Avenue NE, Bothell, WA - 98011, (206) 483-5574.

Walt Lyon, Bothell

CHECK YOUR LABEL TO SEE IF YOUR WCFS DUES ARE DUE

WESTERN WASHINGTON TREE FRUIT RESEARCH FOUNDATION OPEN HOUSE AND FIELD DAY

February 27, 1993

WSU MOUNT VERNON EXPERIMENT STATION — 1468 MEMORIAL HIWAY, MOUNT VERNON WA

Sponsored by WWTFRF and WCFS in conjunction with WSU

ENTRANCE FEE — \$10 PER PERSON OR FAMILY

8:30-9:00AM	<i>Opening Comments - Auditorium</i>
9:00-10:00AM	<i>Basic Pruning & Training For Beginners - Building A</i> <i>Pest Control - Building B</i>
10:00-11:00AM	<i>Basic Pruning Field Demonstration - Building A and Field</i> <i>Selecting Best Rootstocks & Varieties & Caring For Young Trees - Bldg B</i>
11:00-12:00	<i>Pest Control - Building A</i> <i>Selecting and Caring for Young Trees - Building B</i>
12:00-12:30PM	Lunch — <i>Bring your own or buy from deli wagon</i>
12:30-1:00PM	Discussion: — <i>WWTFRF and Future of Mt Vernon Tree Fruit Research</i>
1:00-2:00PM	<i>Advanced Pruning and Training - Building A and Field</i> <i>Pest Control - Building B</i>
2:00-3:00PM	<i>Advanced Pruning Field Demonstration - Building A and Field</i> <i>Selecting and Caring For Young Trees - Building B</i>
3:00-4:00PM	<i>Selecting and Caring For Young Trees - Building A</i> <i>Pest Control - Building B</i>

1992 FRUIT SHOW INVENTORY

The following lists are inventories of the number of "plates" of a specific variety that were displayed at our 1992 show. An asterisk (*) denotes a variety that was not shown in 1991 (It may have been shown in a previous year). **The high number of asterisks this year is partially due to last year being such a difficult fruit growing year.**

This was a very good fruit year. Fruit set in the Puget Sound Country was generally above normal. As a result, the number of varieties and plates shown were much greater than 1991. The 333 varieties (including "sports") shown in 1992 included 140 varieties not shown in 1991. For comparison, there were 218 varieties in the 1991 show, 47 of which were "new" varieties. There were 94 "new" varieties in 1990 and 75 "new" in 1989.

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

Gala (14)	Elstar (8)	Golden Delicious (6)	Jonamac (5)
Jonagold (13)	Thomkin's King (8)	Liberty (6)	New York 429 (5)
Melrose (12)	Bramley (7)	Northern Spy (6)	Pink Pearl (5)
Gravenstein (11)	Fuji (7)	Opalescent (6)	Spencer (5)
Macoun (10)	Idared (7)	Arlet (5)	Summerred (5)
Spartan (10)	Akane (6)	Black Gilliflower (5)	Sweet Sixteen (5)
Ashmead's Kernel (9)	Belle de Boskoop (6)	Calville Blanc (5)	Winter Bannana (5)
Hudson's Golden Gem (9)	Brock (6)	Criterion (5)	Wolf River (5)
Mutsu (9)	Cortland (6)	Freyberg (5)	
	Cox's Orange (6)	Golden Russet (5)	

1991 — Varieties with five plates or more:

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

1990 — varieties with five plates or more:

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

Dave Battey - Snoqualmie

1992 WCFS FRUIT SHOW VARIETY LIST

NUMBER FOLLOWING VARIETY NAME IS NUMBER OF PLATES DISPLAYED

(*=NOT ON 1991 LIST)

APPLES

AKIN 1*	BROCK 6	ECHO 1*
AKANE 6	BROWN RUSSET 4*	EGREMONT RUSSET 2
ALASKA 1	BUCKLEY GIANT 3	ELLISON'S ORANGE 1*
ALEXANDER 3	BULMER'S NORMAN 1*	ELMER 1
ALKMENE 2	BURGUNDY 4	ELSTAR 8
ARLET 5	CALVILLE BLANC D'HIVER 5	EMPIRE 3
ARKANSAS 1*	CHEHALIS 3	ENGEL'S FAVORITE 1*
ARKANSAS BLACK 1*	CHESAPEAKE 1	ERWIN BAUER 1
ASHMEAD'S KERNEL 9	CHESTNUT CRAB 1	ESOPOS SPITZENBURG 4
ASTRACHAN, RED 1*	CHEVY CHASE 1*	ETTER'S GOLD 1*
ATLAS 1	CHIEFTAIN 1*	EVE'S DELIGHT 1*
AUNT LUCY 1*	CHISEL JERSEY 2*	FALL PIPPIN 1*
BALDWIN 4	CHO YOU 1*	FALL RUSSET 1*
BALLEY FATTEN 1*	CINNAMON SPICE 1*	FAMEUSE (SNOW) 2
BELLE DE BOSKOOP 4	CLALLAM SEEDLING 1*	FIELD SPY 1*
BELMONT (WAXEN) 4*	COLORA YORK 1*	FIESTA 1
BEN DAVIS 1	COLLEMER 1*	FIRESIDE 1
BIETIGHEIMER 1	CONRAD 1*	FLAKUS 1*
BISMARK 1*	CORNISH GILLIFLOWER 2*	FLORINA 1
BLACK AMISH 1*	CORTLAND 6	FORTUNE SEEDLING #5 1 (BRIAN MULLIGAN)
BLACK GILLIFLOWER 5	COURT PENDU PLAT 2	FOXWHELP 1
BLACKJON 1*	COW JERSEY 2	FRED SCHMIDT'S 1*
BLACKMAC 1*	COX'S ORANGE PIPPIN 6	FREEDOM 1
BLAKE 1*	CRITERION 4	FREYBERG 5
BLLENHEIM ORANGE 2*	CRITERION PAR FELT 1*	FUJI 3
BLUE PEARMAIN 2*	CRUTCHER'S SEEDLING 1*	FUJI (RED) 2
BLUSHING GOLDEN 3*	DAVEY 2	FUJI REDSPORT 2
BOGO BOSKOOP 1*	DELICIOUS (RED) 3	FUKUTAMI 1*
BRAEBURN 2	DEMOCRAT 2	GALA 5
BRAMLEY SEEDLING 7	DISCOVERY 2	GALA (RED) 2
BRITEMAC 1*	DREW'S RED 1	GALA REGAL 1*
	DUCHESS OF OLDENBURG 1	GALA REDSPORT 1*
	DYER (POMME ROYALE) 2	GALA (ROYAL) 5
	EARLIBLAZE 2*	GALLIA BEAUTY 1*
	EARLYGOLD 1*	

GALOR 1*
 GARLAND 1*
 GEORGE CARPENTER 1
 GLOCKENAPFEL 1
 GLORIA MUNDU 1*
 GLOSTER 3
 GLOWING COALS 1*
 GOLDEN BELL 1*
 GOLDEN DELICIOUS 6
 GOLDEN HORNET CRAB 1
 GOLDEN NOBLE 1*
 GOLDEN NUGGET 1
 GOLDEN RUSSET 5
 GOLDEN SWEET 1
 GOUDREINETTE (SEE BELLE DE BOSKOOP)
 GRANEE, STARK EARLEE 1*
 GRANNY SMITH 2*
 GRAVENSTEIN 5
 GRAVENSTEIN, CANDYSTRIPE 1*
 GRAVENSTEIN (RED) 4
 GRAVENSTEIN (YELLOW) 1*
 GREENSLEEVES 1
 GRIMES GOLDEN 1
 GROVE 3
 HARALSON 2
 HAWAII 7
 HENER-20 1
 HENRY'S GOLDEN KEEPER 1*
 HOLIDAY 1
 HOLLY 2
 HOLSTEIN 2
 HONEYGOLD 2*
 HOWGATE WONDER 1
 HUBBARDSTON NONESUCH 4
 HUDSON'S GOLDEN GEM 9
 IDARED 7
 JAMES GRIEVE 1
 JEFFERIS 1
 JERSEY MAC 1*
 JEWETT RED 1*
 JONAGOLD 13
 JONAGRIMES 1*
 JONALICIOUS 1*
 JONAMAC 5
 JONATHAN 4
 JONWIN 2
 JORDAN RUSSET 1*
 JULY RED 1*
 KALAMA RIVER 1*
 KARMIJN DE SONNEVILLE 4
 KATJA 2*
 KEEPSAKE 4
 KENDAL 2*
 KENT 1*
 KERR 1

KESTREL 1*
 KIDD'S ORANGE RED 4
 KINGSTON BLACK 1
 KING DAVID 2
 KING'S ACRE PIPPIN 1
 KLAMATH RIVER 1*
 KNEIP 1*
 LADY 1
 LATE STRAWBERRY 1*
 LIBERTY 6
 LODI 1*
 LORD LAMBOURNE 3*
 LOWRY 1*
 LUBSK QUEEN 1*
 MACOUN 10
 MACFREE 1*
 MACSHAY 1*
 MAIDEN BLUSH 1
 MAIGOLD 1
 MCINTOSH 3
 MCINTOSH (GATZKE) 1
 MEDINA 1*
 MELROSE 12
 MERTON PROLIFIC 1*
 MERTON RUSSET 1*
 MICHELIN 1
 MINJON 1*
 MINNESOTA 1*
 MONROE 1
 MOSA-64 1
 MOTHER 2
 MOTT PINK 2*
 MULTNOMAH 2*
 MUSCADET DE BERNAY 1*
 MUTSU 9
 NEBUTA 1*
 NEW BEDFORD 1*
 NEWTON WONDER 1*
 NEWTOWN PIPPIN
 (SEE YELLOW NEWTON)
 NEWTOWN SPITZENBURG 2*
 NEW YORK-315 1
 NEW YORK-316 1
 NEW YORK-347 1*
 NEW YORK-4408-11 3
 NEW YORK-428 2
 NEW YORK-429 5
 NEW YORK-449 1*
 NEW YORK-529 1*
 NEW YORK-543 2
 NEW YORK-61345-2 3
 NEW YORK-614 1*
 NEW YORK-75413 2*
 NIAGARA 1
 NITTANY 2
 NORFOLK ROYAL 1*

NORTHERN SPY 5
 NORTHERN SPY (EARLY) 1
 NORTHERN SPY (RED) 1*
 NUGGET 1
 OGDEN 1*
 OHIO NONPAREIL 2
 OLYMPIC BALDWIN 1*
 ONTARIO 2*
 OPALESCENT 6
 OREI 2
 ORENCO 3
 ORIN 1
 ORIOLE 1
 ORLEANS REINETTE 1
 ORTLEY 2*
 OZARK GOLD 2*
 PALOUSE 2
 PAULARED 2*
 PECK PLEASANT 1*
 PERRY RUSSET 1*
 PINE MOUNTAIN SEEDLING 2*
 PINK PEARL 5
 PITMASTON PINEAPPLE 2
 POMME RAISEN 1*
 PORTER 2
 PRIMA 1
 PRISCILLA 1*
 PUMPKIN RUSSET 1*
 RAVEN 1*
 RED BARON 1
 RED CANADA 1
 REDGOLD 3
 REGENT 1*
 REINE DES POMMES 1*
 RHODE ISLAND GREENING 4
 RIBSTON PIPPIN 1
 ROUGE DE BOSKOOP 1*
 ROUNDTREE SWEET 2
 ROXBURY RUSSET 4
 SALCOTE PIPPIN 1
 SALOME 2
 SEEKONK SWEETING 1*
 SEIKOICHI 1
 SEKAI-ICHI 2*
 SHAMROCK 1*
 SHAY 2*
 SHINKO 1
 SINTA 3*
 SIGNE TILLISCH 2
 SIMERENKO 2*
 SMITH RIVER 1
 SMOKEHOUSE 1
 SNOW (SEE FAMEUSE)
 SOPS OF WINE 1*
 SPARTAN 10
 SPENCER 5

SPIGOLD 4
 SPIJON 1*
 SPLENDOR (RED) 1
 SPOKANE BEAUTY 2*
 STARK 1*
 STARK JUMBO 4
 STATE FAIR 1
 STAYMAN WINESAP 2
 STEARNS 3*
 STEELE'S RED WINTER 1*
 STONE 1*
 SUGAR SWEET 1*
 SUMMER RAMBO 1*
 SUMMERRED 5
 SUMMERLAND-196-604 1*
 SUNRISE 2
 SUNSET 1
 SUNTAN 2
 SUTTON 1*
 SWAAR 2
 SWEET ALFORD 1
 SWEET COPPIN 1
 SWEET SIXTEEN 5
 SWISS RED 1*
 TANG 1*
 TOKO 2
 TOMPKIN'S KING 8
 TWENTY OUNCE 2
 TWENTY OUNCE PIPPIN 1*
 TYDEMAN'S LATE ORANGE 1
 TYDEMAN'S RED 2
 VANDEVERE 2*
 VIKING 1
 VIRGINIA GOLD 3*
 WAGENER 1
 WEALTHY (RED) 1
 WESTFIELD SEEK NO FURTHER 2
 WHITE WINTER PEARMAN 2
 WICKSON 3
 WIJCIK (MCINTOSH) 1*
 WILLIAM CRUMP 1*
 WILLOW TWIG 1*
 WINCHESTER 1
 WINSTON 1*
 WINTER BANANA 6
 WINTERGREEN 1*

WINTERSTIEN 1
 WOLF RIVER 5*
 WRIGHT 1*
 X-ELLENT 1
 YELLOW BELLFLOWER 3*
 YELLOW NEWTON 3
 YELLOW RAMBO 1*
 YELLOW TRANSPARENT 1
 YORK IMPERIAL 2

PEARS

ANJOU 2
 A-RI-RANG 1
 AURORA 1*
 BENNETT 1*
 BOSC 6
 CHOJURO 4
 COMICE 4
 COMICE (RED) 1*
 CONFERENCE 2
 DUCHESS D'ANGOULENE 1
 DUMONT 2
 ELDORADO 3
 FLEMISH BEAUTY 3*
 GIESER WILDEMAN 1
 HIGHLAND 1
 HOSUE 1*
 KOREAN GIANT 1*
 LINCOLN 1*
 NEW YORK-10274? 1
 NIITAKA 1*
 ORCAS 2
 PACKHAM'S TRIUMPH 1
 REMYMAN 1*
 RESCUE 4
 SEIGYOKU 1*
 SEURI 4
 SHINSEIHO 2
 SHINKO 1*
 SINGO 1
 STARKRIMSON 1
 STARK'S DELICIOUS 2
 STOVE PEAR 1
 SURECROP 1*

TURNBULL 1*
 TWENTIETH CENTURY 3
 (NIJISSEIKI)
 WINTER NELIS 1*
 YAKUMO 1*
 YA LI 3*

GRAPES

CAMPBELL'S EARLY 1
 (ISLAND BELLE)
 GREEN CONCORD 1*
 INTERLAKEN 2*
 NIAGARA 1

OTHER

STRAWBERRY, ALPINE YELLOW 1*
 KIWI

ABBOTT/ALLISON 1
 ANNAI 1*
 BLAKE 1
 ELMWOOD 1
 GRACIE 1
 HAYWARD 3
 ISSAI 1*
 MONTY 1
 SAANICH 1

NUTS

BACELONA FILBERT 1
 BUTLER FILBERT 1*
 CASCADE WALNUT 1*
 CHEPAKA WALNUT 2
 DAVIANA FILBERT 2
 ENNIS FILBERT 1*
 FRANQUETTE WALNUT 1
 RED FILBERT 1*
 SPURGEON WALNUT 1*

PERSIMON

FUYU 2*

MEDLAR 1*

QUINCE

SMYRNA 3
 PINEAPPLE 2

BYLAWS CHANGE TO BE VOTED ON AT ANNUAL SPRING EVENT

Notice is hereby given that there will be a proposed change to the WCFS Bylaws voted on at the General Membership Meeting during the Spring Event at the Snohomish Extension Service Facilities on March 6. If accepted by the membership, the new rule will add the Immediate Past-President of WCFS to the Board of Directors. This has been done "automatically" in the past, but the Board feels that it should be spelled out in the Bylaws. Inclusion of the Immediate Past President provides essential continuity.

Orchard Mason Bees

HOW TO COLLECT AND CARE FOR THEM

BY ED LEWIS

FOR THOSE WHO DO NOT WISH TO BOTHER WITH HONEYBEES, and with the collection of honey, the feeding of colonies during cold weather or their nasty stings — the little solitary mason bee is the answer to ensure good pollination of early flowering fruit crops. *You need only 250 nesting Blue Orchard Mason Bees to pollinate one acre of fruit.* They provide the same level of pollination as one hive of high-maintenance honeybees. They work at temperatures above 50 degrees Fahrenheit (several degrees lower than honeybees) and their flight pattern is around 100 meters. They have a short life span, from four to six weeks, so there is no risk to them from sprays applied after the season of blooming is over.

THE ORCHARD MASON BEE (*Osmia lignaria*) is native to Western Washington and nests singly rather than in a hive like the honeybees. They are simple to manage, requiring only dry shelter for their nesting holes and nearby damp soil for sealing their nests. Their favorite sites are small holes in boards, in the space between shingles, or crevices in roofing and siding.

NEST TYPES are easy to provide by drilling 5/16" or 3/8" holes 3 1/4" deep in blocks of 4"x4" fir lumber. Small bundles of 12" fiber tubing or large soda straws 7 5/8" long, each folded in half to make two tubes, may be wrapped in foil or placed in small tin cans or 1 quart milk cartons (cut to fit). *It is important that the far end of the hole or tube be closed to minimize parasitic depredation.*

THE BEST LOCATIONS for nest sites are the South or East side of a building, under the eaves. The exposed east side of a post or tree trunk bathed in morning sun is also good.

TO COLLECT YOUR FIRST BEES, place a few nests in several places where bees are likely to occur naturally — near an orchard or wild blackberry thickets. The time to place the nests is around March 15, or when our Oregon Grape (*Mahonia Aquifolium*) is starting to bloom. *Be certain that there is a mud supply nearby.*

FALL CARE AND STORAGE of nests are important. The nests may be left in place year-round, but it is better to store them in an unheated area through the winter. *They need a period of cold below 40 degrees Fahrenheit to break dormancy* by Spring. They can survive short periods of temperatures down to 5 degrees Fahrenheit. The nests need to be screened while in storage to keep out parasitic wasps, etc. You can store a small number of nests in a nylon stocking.

DELAYING EMERGENCE of dormant bees until five days before your fruit bloom will provide the maximum increase in bee reproduction rates. Place nests of hibernating bees in a plastic bag (include a damp, not wet, paper towel) and place in your refrigerator. Open the bag once a week to provide fresh air. Keep the bees below 40 degrees Fahrenheit or they will emerge!

I started collecting Orchard Mason Bees in the Spring of 1986 and collected 13 tubes filled with egg cells (about 100 bees) the first year. By the end of the 1989 season I had about 1250 bees. All of my nests were attached to my deck railing under the five-foot eaves of my house. It was great fun watching their activities on foraging trips and observing them mudding up their cells.

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