

UNIVERSITY OF CALIFORNIA/DAVIS  
FOUNDATION PLANT MATERIALS SERVICE  
NEWSLETTER

Issuance of the 1983 Newsletter has been moved from August to October so that a financial report for the '82 - '83 fiscal year and announcement of the FPMS annual meeting can be included. In addition, recent developments in the grape and tree clean stock program are published here as in past years.

Each year FPMS holds an annual meeting where all phases of the FPMS programs are reviewed and discussed. The 1983 meeting will be held on November 1, 9:30 a.m. to 2:30 p.m. at the UCD Faculty Club. In the past, members of the various FPMS advisory committees have attended. This year, in addition, we would like to invite all persons interested in clean stock programs. Please advise if you plan to attend. An annual report prepared for the meeting is also available upon request.

FPMS Advisory Committees and their members are as follows:

GRAPEVINE INDUSTRY  
ADVISORY COMMITTEE

Terrel West, Arroyo Seco Vineyards  
Luther Khachigian, Cal-Western Nurseries  
James Lider, Grapevine Propagators  
Marko Zaninovich, Marko Zaninovich, Inc.  
Pete Mirassou, San Vincente Vineyard  
Richard Kunde, Sonoma Grapevines, Inc.

TREE FRUIT INDUSTRY  
ADVISORY COMMITTEE

William Burchell, The Burchell Nursery  
Joel Hall, Green Tree Nursery  
Dan Veyna, Orange County Nursery  
Walter Berg, Sierra Gold Nurseries  
William Spoto, Spoto Nursery  
John Wynne, Dave Wilson Nursery

ORNAMENTAL INDUSTRY  
ADVISORY COMMITTEE

Ken Brizzi, Capital Nursery Co.  
Don Edwards, Edwards Nursery  
Holland Wessig, Jackson & Perkins Co.

ORNAMENTAL INDUSTRY  
ADVISORY COMMITTEE (cont.)

Mike Smith, Leonard Coates Nursery  
George Oki, Oki Nursery

UNASSIGNED INDUSTRY  
ADVISORY COMMITTEE

AL Fradkin, Calif.-Oregon Seed Co.  
Kenney Elwood, Lassen Canyon Nursery, Inc.  
Jack Wick, C.A.N.

VITICULTURE TECHNICAL  
ADVISORY COMMITTEE

Austin Goheen, Chairman, UCD Plant  
Pathology  
Amand Kasimatis, UCD Viticulture  
Extension  
Lloyd Lider, UCD Viticulture Extension  
Carole Meridith, UCD Viticulture  
Extension  
Harold Olmo, UCD Viticulture Emeritus

POMOLOGY TECHNICAL  
ADVISORY COMMITTEE

Jim Beutel, Chairman, UCD Pomology Extension  
Dale Kester, UCD Pomology  
George Nyland, UCD Plant Pathology

ORNAMENTAL TECHNICAL  
ADVISORY COMMITTEE

Raymond Hasek, Chairman, UCD  
Environmental Horticulture  
Andrew Leiser, UCD Environmental  
Horticulture

Enclosed with this newsletter for your use is a current FPMS order form, price and materials list. Please note that available materials are allocated among all who order by the appropriate deadline. After that it is sold on a first come, first serve basis. Final dates for the various materials are as follows:

To be included in allocation, order  
must be received no later than:

Grape Material	November 15
Rose Rootstock Orders	October 28
Fruit & Nut Treewood	December 1
Seed Orders	July 15
(including Betulaefolia fruit)	

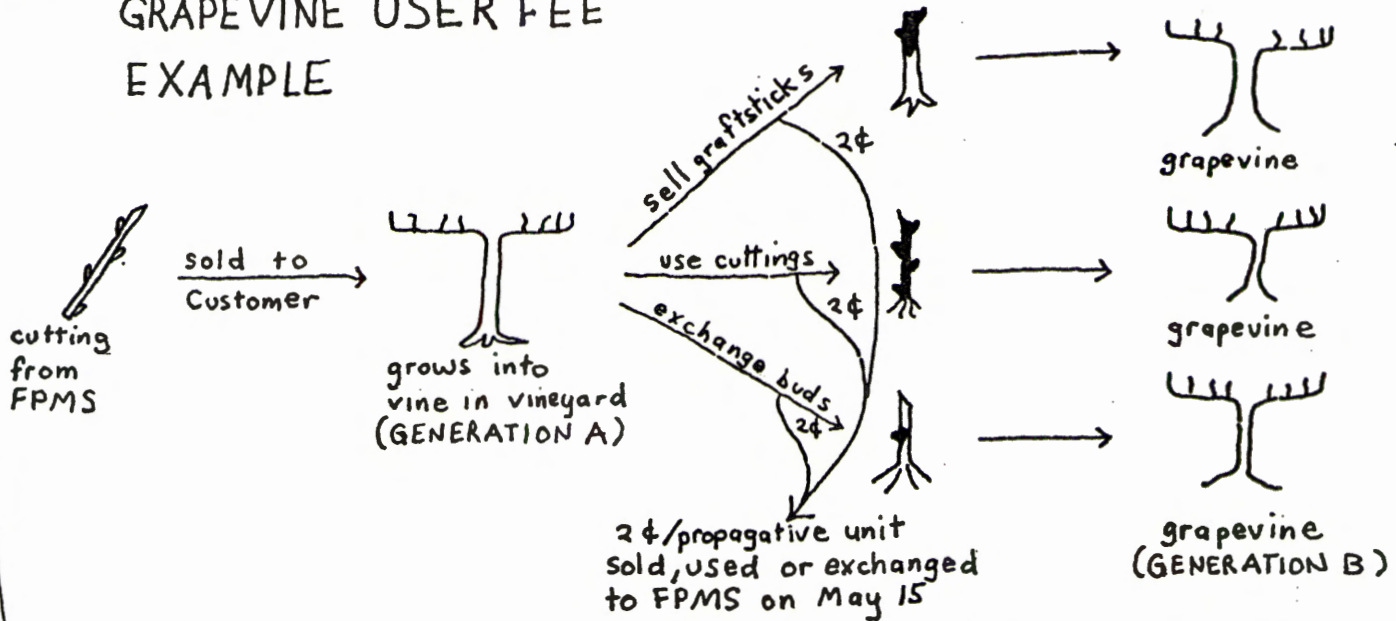
FINANCIAL REPORT

Total income for FPMS in the 1982-83 fiscal year amounted to \$129,819.52. Total expenditures were \$138,051.28 leaving a deficit for the year of \$8,231.76. This is the first time in 3 years that FPMS has had a net deficit. It is most likely a reflection of the temporary slow down of the California nursery industry in general.

In 1982-83 119,574 grape cuttings, graftsticks and budsticks were sold. Also 5,983 buds, and 7,986 cuttings of fruit and nut tree material as well as 70,180 certified peach seeds, 446.5 pounds certified plum and cherry seed, and 426.5 pounds of Betulaefolia fruit were sold. Of Rose material FPMS sold 17,960 rootstock cuttings, and 4,670 scion buds.

All plant material sold by FPMS (except patented material and for cherry, peach, plum and potato seed) is covered by a grower agreement contract. All customers are required to sign it when ordering material (on reverse side of order form). The contract states that the grower agrees to pay FPMS 2¢/propagative unit from said material which is sold, exchanged or retained by the grower. This means that if a customer buys a cutting from FPMS, produces a plant (generation A) and then sometime in the future takes a propagative unit from that plant to sell or use him/herself to produce a 2nd plant (generation B) then the customer will pay to FPMS 2¢ for each propagative unit sold, used or exchanged, as per the illustration following:

# GRAPEVINE USER FEE EXAMPLE



User fees are a major source of revenue for FPMS. They were instituted to help offset the high cost of producing small quantities of many types and varieties of plant material. In 1982-83 \$14,405.69 in user fees were collected for grape material, \$6,613.49 for fruit and nut trees and \$680.00 for roses.

## PLANT PATHOLOGY REPORT FOR FRUIT TREE PROGRAM

Peach Yellow Leaf Roll has once again been found in the Foundation Orchard. Two trees found to be infected are:

<u>Variety</u>	<u>Accession#</u>	<u>Location</u>
Lovell	10-34-1-63	NFO C8T8
17,16-21	10-151-1-78	NFO Q6T9

The California State Department of Food & Agriculture will most likely have to suspend registration on all peach and nectarine material in the orchard according to present regulations for at least one year.

This is the 3rd time in 5 years Peach Yellow Leaf Roll has moved into the Foundation Orchard. Meetings between the University and California State Department of Food & Agriculture will soon be underway to discuss this situation. Changes may need to be made in the State regulations or in the way peach material is maintained because of the disease.

## PLANT PATHOLOGY REPORT FOR GRAPE VINE PROGRAM

All California registered grape material maintained by FPMS has been indexed for disease before inclusion in the Foundation vineyard. Also, in compliance with State regulations, the vines are all inspected twice annually while growing. When new indexing procedures to detect disease more accurately are developed every effort is made by

FPMS and the UCD Plant Pathology Department to recheck registered vines using new procedures. This happened in 1981 when 41 selections were removed from registration because they were found to be infected with stem pitting. Also, in Spring 1983, tests were completed on selected registered varieties using Cabernet franc as an indicator. Cabernet franc has been recently found to be a very sensitive leaf roll indicator. Test results showed 7 registered selections to be infected with leaf roll as follows:

Perlette	1A
Sauvignon blanc	3
Thompson Seedless	1A
Beauty Seedless	2
Gringnolino	1
Pinot Noir	3A
Pinot Noir	21

All these above selections were removed from the Registration and Certification Program. One hundred eleven other selections (including all registered rootstock varieties) indexed for leaf roll in Cabernet franc at the same time were found to be healthy. For a complete list of all selections that tested healthy on Cabernet franc and/or all selections that tested positive for stem pitting in 1981 write to FPMS.

#### NEW PROJECTS

FPMS has recently acquired additional land on the University Farm that will be used to plant a new Foundation Vineyard and Betulaefolia pear seed trees. Much of the current Foundation Vineyard was planted 20 years ago and is starting to show decline from Eutypa. Establishing a new vineyard will provide the opportunity to better organize the planting and use wider spacing. Plantings of peach, plum and cherry seed trees have also been extended in our present Foundation Orchard. This should result in an improved supply and quality of wood and seed for our customers.

A committee of members from FPMS and the Department of Viticulture has recently been established to study the identity of several California grape varieties. A vineyard was set up in the Viticulture Department to compare vines of approximately 15 important California varieties side by side with suspected European counterparts. As soon as the vines fruit valid comparisons will be made.

Among several thousand named varieties of fruits and grapes in the world, it is easy to see that variety mixes might occur. When variety mixes are discovered they should be corrected as soon as possible for the good of the industry. FPMS attempts to have all our plant material examined for trueness to type before it is distributed. It is, however, still very important for anyone receiving our material to examine it for identification and report back any discrepancies to FPMS. We would also appreciate receiving any evaluation reports on the various selections sold.

Sometime within the next 30 days FPMS will be installing a computer. We plan to use it to store records, keep an inventory of materials available, process orders, do mailings, etc. This should greatly facilitate answering customers' questions.

Two new Asian Pear varieties, 12-43 and 12-44, will be patented by University of California for release for nursery budding by summer 1984. Both selections are the result of a cross between Kikusui (20th Century type) and Tsu Li (pear shaped Chinese pear). Both selections make good sized trees on Winter Nelis rootstock, while P. Betulaefolia rootstock makes huge trees. Both ripen in September and can be stored at 32 degrees F. for many months. Fruit color is green. Size exceeds 3 inches in diameter even when only lightly thinned. Crop of 150-200 pounds per tree is possible at 8 years, which is equal or better than any Asian pear.

Selection 12-43 is slightly flat (like Rome Beauty apple) with short stem. It has a fine textured flesh that is sweet to taste. The skin tends to russet if rain is heavy during bloom. Fruit size is good.

Selection 12-44 is very large (larger than 12-43) 3 - 4 inches in diameter and is shaped like a Comice pear. It has deep green skin with little or no russet. The stem is short and less stiff than Comice stem. Flesh is firm, juicy and remains sweet and fresh tasting for more than 6 months of common 32 degree F. storage.

Both varieties bloom with Chojuro and slightly ahead of 20th Century. Fruit set is not a problem but pollen compatibility with other varieties and each other needs more study which should be done in Spring of 1984.

Selections will be given Asian names but final decisions have not been made at this time.