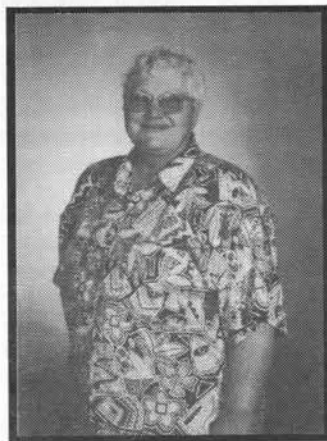


The Bee Line

Volume 15
Number 3

Newsletter of the
Oregon State Beekeepers Association

April/May
1991



Connie Petty an inspiration to many

Beekeepers think of Connie Petty as "Oliver's Wife," but those of us who know her see her as our friend and an accomplished writer-reporter. The following appeared in the Albany General Hospital Newsletter and is reprinted by permission.

For the people in Albany, the name Connie Petty and the Albany *Democrat-Herald* are synonymous.

This busy *Democrat-Herald* reporter got her start in 1965 as the temporary assistant to society editor Ianthe Smith. With only high school journalism experience, Connie's duties included typing society news by dictation, and eventually writing her own stories and editorials.

A short time later, an opening was available for an assignment which included the schools and the police beat. She was told they couldn't hire a woman for the police beat because of the potential for violence and bad language.

Undeterred, Connie continued working for the paper as a free-lancer. She was paid by the published inch and began taking her photographs to accompany the articles. The first was taken with an Instamatic camera she'd won as a prize. Working nearly full-time, her top pay one month was \$90.

In 1967, the job opened again, but this time without the police beat. Connie was hired at \$90 per week. She covered education, religion, compiled the calendar, obituaries and births, and edited articles from the newspaper's "country correspondents."

The ninth of 12 children, Connie was the third in her family to graduate from high school. Her high school journalism classes would be invaluable to her later. "We published the paper weekly and printed it, too."

Connie met beekeeper Oliver Petty at a church function in Ojai, California. Two years later, in 1950, they married and moved to Albany, where Oliver went into the bee and honey business and farmed Christmas trees. Connie helped with the bees for the first year. The next year, the first of their five children

was born, and she became a typical housewife/mother.

Like many women of her time, Connie felt that "girls shouldn't work." Writing wasn't work, though. She wrote short stories. But writing at home had such distractions as dishes and kids to attend to.

For years she juggled the demands of career and family, but there was another hurdle in her path. In 1988, she began experiencing extreme fatigue and other symptoms which led to a series of tests and the diagnosis of lymphoma, a form of cancer. With chemotherapy, the inoperable abdominal tumor has been reduced and remains stabilized.

Connie credits her recovery to the concern of others as well as to excellent medical treatment. She was on several prayer chains and still has the get well cards which were sent. "It's nice to know you're being thought of."

Regarding her illness, Connie says, "You need to share with those close to you, or later they'll say 'you didn't include me.' Also, the fear of cancer is lost when you deal with it."

Connie plans to leave the *Democrat-Herald* this summer. She wants to travel more with her husband, and spend time with grandchildren. She hopes to exhibit and sell her photographs. And, there are still stores to write.

Connie may not think of herself as a hero, but her determination to succeed against the odds serves as an inspiration to many.

Story by Marilyn Hill

To the *Bee Line* subscribers. You will notice a temporary change in personnel. Due to demands on our editor this issue will be an April/May edition. I, with help from others, will be putting this issue together.

Our editor, Bill Rufener, a "full time" commercial beekeeper, has found this spring to be especially difficult and demanding of his time. Because of the situation, we are again looking for someone to fill the position of editor. If you are interested, please let me know. Marjie Ehry, 864-2138.



by Marjorie Ehry

In June of 1991 producers will vote on a referendum to keep the National Honey Board and a similar vote to end the refunds.

I have represented Oregon as a member of the NHB Nominating Committee the past three years. I have been impressed with the quality of beekeepers I serve with and it has given me a real opportunity to talk honey *bees* rather than just honey. Here in the Northwest, pollination makes up most of our income, with honey as the "frosting on the cake." But however we fit in this industry, we need help! And we need all we can get, with the onslaught of AHB, mites, food safety, EPA, government regulations and ourselves, too.

For me, the real issue is the honey bee and the NHB has been a great asset to all of us whether we are honey producers or pollinators. With the NHB working for us, we have a highly skilled team in our corner. Even though honey is given emphasis, I have seen the NHB make a real effort to stress the value of bees in food production through pollination.

There is not one of us in beekeeping who can drop everything and do a professional job of public relations and promotion for our industry. "What's Buzzin" by the NHB is one example. It is aimed at kinds but everyone that comes in contact with it is exposed to its message. Other examples are the beautifully done ads and honey promotions in national magazines. Each of these draw attention to beekeeping with a focus that we alone could not achieve.

Please! I urge you to join me in voting YES/YES in the June referendum to help ensure continued progress for the United States honey industry.



OSBA HAPPENINGS

1991

- May 11 Breakfast Meeting, 6:30 am
- May 11 Spring Meeting, Tillamook
- August 11 Summer Picnic, Fern Ridge, Eugene
- Dec. 6 & 7 OSBA Annual Convention

1992

Joint Oregon/Washington Convention
Hosted by OSBA

Legislative update

HB 3165 was heard April 25 in Room F at the state capitol. The bill was sponsored by the Ways and Means Committee. This bill restores \$50,000 of general fund money with the provision for fees to raise from \$5 for the first six colonies, not to exceed \$10, and colony registration of 30¢, not to exceed 60¢ per colony.

It is the position of OSBA membership that no fee increase is acceptable. However we are remaining flexible in order that the AAC be free to work with the ODA.

The Apiary Advisory Committee will be taking input from the membership May 11 at the spring meeting, in Tillamook.

Joanne's Honey received national coverage

Oregon's own Bob and Joann Olstrom, of Reedsport, were featured on NBC's "Home Show," April 16, 1991. The topic was home business. Joann's beekeeping and specialty honeys were spotlighted. Congratulations, Joann, and thank you for your dedication to the Honey Bee. You are a real "Nutt Honey."

Fairview "Bee Supply"

Oliver Petty and John Mespelt of Albany have purchased the Bee supply portion of Heins Honey. The business has moved to 1033 Gibson Hill Road, Albany. Fairview Bee Supply will continue to carry a basic line of wooden ware and other supplies. For best results call ahead, 923-7924.

ADVERTISING RATES

Business ads, per issue:	
Business Card Size	\$7.50
Quarter Page	20.00
Half Page	35.00
Full Page	100.00
Classified ads, per 30 words:	
OSBA Member	\$2.00
Non-member	3.00

Deadlines are the 15th of the month before the ad is to appear. Make checks payable to the OSBA.

Spring Management for Honey Production

by Bob Arnold, 3140 Montesano Rd.
Escondido, Ca. 92029

Each year all of us have experienced two reoccurring conditions which can give us some insight into improving our honey yields. One condition is that of the colony that is unusually strong early in the year requiring supers by the time the maples are in bloom. More often than not this hive will be one of the first to develop swarm cells with the first swarms leaving in mid to late April. At some point the swarming will stop and the rain will begin leaving any virgin very little flying time to be properly mated. Usually the virgin will not be properly mated turning the boomer hive into useless mess of drones.

However unlikely, this same colony could make it through May without swarming. It is likely the population will peak before the main honey flow occurs late May early June. Once the colony population peaks, the population will decline and the colony will be a poor producer. Ideally the population should peak near the start of the honey flow.

The second condition is that of a colony headed by a young vigorous queen with 6 to 8 frames of bees and brood in late March or early April. This colony will expand to a full deep box of bees by late April and will be solid bees in two deep boxes by the honey flow in late May to early June. This colony will require only the timely addition of a second

brood chamber and honey supers as required.

Strong colonies should be split as early in the season as is possible. The split will provide for some increase and is the most effective and least labor intensive swarm control I have found. The early split should be made with sufficient bees, brood, honey, pollen and a mated queen. In general, a strong colony can be equally split into two single brood chamber colonies early in March and will develop nicely in the second brood chamber early in April. Both of these colonies will produce

good quality pollinating colonies in time for pear and cherry pollination provided that the split is made early in March and the both queens are young vigorous queens!

When splitting strong colonies I've found it best to place a queen excluder between the two brood chambers at least three days before making the split. With the queen excluder present simply find the box with eggs and then search frames in that box for the queen. The frame with the queen can be placed in an empty box over a new bottom board. The brood, honey and pollen are split between the new box and one box placing the brood in the center with pollen adjacent and honey on the outside. The hive with the new queen must be moved to a new location to keep the bee population evenly split.

What about the other colonies which, if properly managed the previous fall, expand nicely during March and April and may likely swarm during May right after the usual rainy period! Usually these colonies will expand to swarming conditions during the last week of April to the first week or two of May. If there is a good honey flow during this period (once every 5 to 10 years) no problem! If not, one management method is to reduce colony strength just prior to this period with the removal of capped brood frames and the adhering bees. These frames are collected in a new deep box and a mated queen added to form a new colony. The new colony can be placed at the location of another strong colony with the strong colony moved to a spot a few feet away. The field bees from the strong colony will fly to the new colony. This allows you to make up new colonies without having to move them to a new yard.

So what if swarm cells still develop? Once you find capped cells it is too late to prevent the hive from swarming so you might as well go along with the plan. Well not completely! Usually you can make up some nice three or four frame nucs with a cell in each from the brood nest. Move these to a new yard. Sometimes you can take the old queen

with some capped brood off to a new location and leave the remaining colony and one nice large cell behind and still avoid loosing a swarm. Most methods keep the open brood and attached nurse bees together with a single swarm cell and the old queen with sealed brood. Moving them to a new location is best.

In summary the goal for honey production is to bring all of your colonies to maximum strength simultaneously with the main honey flow. Having two deep boxes packed full of bees and brood by the main honey flow is an effective measure of this strength. This can be accomplished by making early splits of strong colonies using mated queens, interchanging the position of strong colonies and weak colonies (having vigorous queens) and moving frames of brood and attached bees from strong to weak colonies (having vigorous queens). All of these techniques aim at achieving strong uniform hive populations for the honey flow and at the same time swarm control is achieved.

Once swarm cells are capped it is difficult to prevent swarming and is generally best to simulate the swarm by removing the nurse bees and the open brood they are serving. Make up nucs from the capped cells and open brood while moving the queen and reduced force with capped brood to a new location.

Ed. Note: Bob Arnold previously practiced beekeeping in the Tualatin Valley and is now doing so in San Diego county.



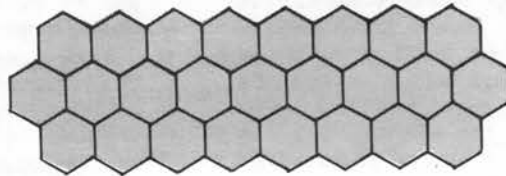
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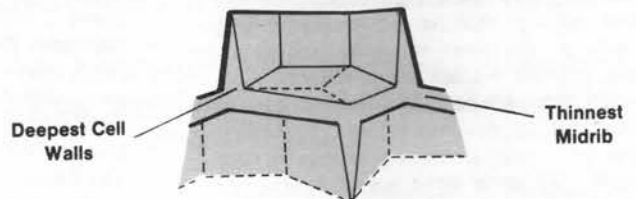
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Bee Plants in the Garden

by

B.A. Stringer

Consider planting some succulents in a sunny garden spot to attract honey bees to their flowers. The Stonecrops, *Sedum* species, contain a large number of hardy plants bearing multi-flowered heads of nectar-producing blossoms in late spring or fall. The plant's leaves are thick and fleshy and each flower cluster consists of many, sometimes hundreds, of small crown-shaped flowers.

Sedums are native to many regions of the world. They are often grown ornamentally in rock gardens, on walls, or as ground covers on steep banks. They are easily propagated from stem cuttings, or individual leaves which will take root, so plant them away from more delicate plants.

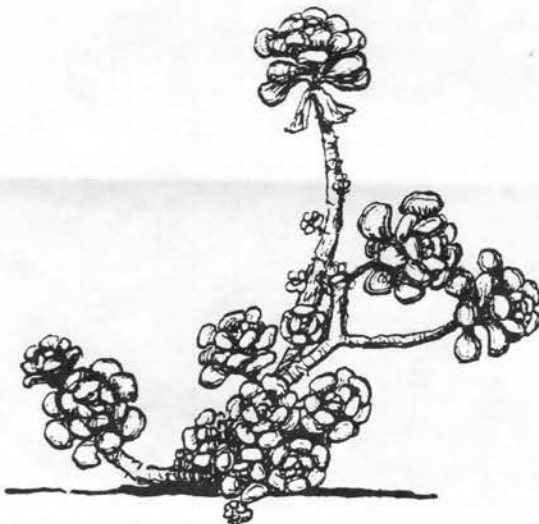
The *Sedum* genus was named from Latin 'sedo', to sit, probably in description of the plants' ability to perch on walls and rocks where little soil is present. They are in the *Crassulaceae* which consists of those plants with thick juicy leaves such as houseleeks and other succulents.

Low maintenance plants needing little moisture, Sedums do well in sun or part shade. Honey bees and other insects are attracted to the copious floral nectar. Check your local nursery for varieties suited to your growing area, and consider some of the ones described below.

Sedum acre, commonly called Goldmoss Sedum, grows about 5" tall and is very hardy. It bears heads of yellow flowers in late spring.

Look for later Sedums to fill a floral gap in your garden. Try the spectacular red flowering "Dragon's Blood" with bronze foliage, which blooms in summer.

Some of the tall flowering Sedums are native to Japan and China. Certain varieties of *S. spectabile* produce dense flower clusters on 18" stems in late summer. These showy Sedums are very attractive to bees. Look for "Brilliant" (deep red flowers), "Carmen" (rose) and "Meteor" (bright carmine red).



Even later flowering species may be found in the rose-pink *S. seiboldii* group from Japan. Also consider a closely related variety "Autumn Joy", which has copper red blooms. This plant

has been popular in nurseries and catalogues for several years. Because of its late bloom, it is particularly attractive to honey bees.

Thanks to Mrs R.C. Harmsen, whose Sedums delight my bees.

**Too late to classify -**

For Sale: 100 deep supers with drawn combs. Very good condition \$12 ea. Kenny Williams, 456-2631. 15-5

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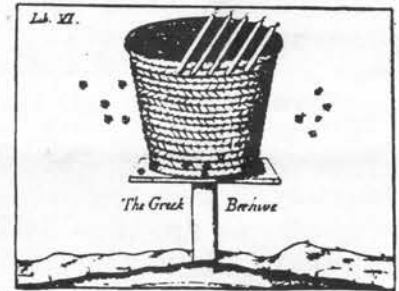
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Salem, OR 97310

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Department of Entomology
Oregon State University
Corvallis, OR 97331



An old Greek hive.

Local Group Meetings

COOS

Beekeepers gather at the Coquille annex, next to the Extension Service Office, at 7:30 pm on the third Friday of each month except Dec.

KLAMATH

Meeting places and dates vary. Call either of the officers for particulars.

LANE

Meets the second Tuesday of each month at 7:30 pm in the Public Employees Credit Union Bldg, 1155 Chambers St, Eugene.

PORTLAND

Meets in the Oregon City branch of Far West Federal Bank on McLoughlin Blvd, 7:30 pm, the fourth Monday of each month.

SOUTHERN OREGON

Meetings are the first Monday of the month at 7:30 pm in the Ag Extension Auditorium on Maple Park Dr. Medford.

TILLAMOOK

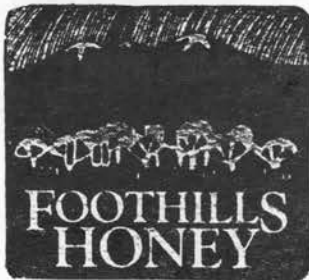
Meets the third Tues. of each month at 7:30 pm at the Dept. of Fish and Wildlife, 4909 Third St.

TUALATIN

Meetings are the first Wednesday of each month during the school year at Rock Creek Campus of Portland Com. College, at 7:30 pm in Bldg. #3.

WILLAMETTE

Beekeepers cluster in Rm 32B at Chemeketa Community College on the fourth Monday of each month from 7:30 to 9:00 pm.



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SPRING MEETING
May 11, 1991
Shilo Inn
Tillamook

Formic Acid? Be Careful

The following article is excerpted from the current issue of from the U.C. APIARIES, Extension newsletter from the University of California. It was written by Eric Mussen at the Davis campus.

Research reports from Europe and the United States have documented the efficacy of formic acid as a fumigant for controlling parasitic mites in colonies of honey bees. These reports have failed to mention the potential consequences of human exposure to this acid, so I am including some safety information in case this material ever comes into legal use.

Formic acid is the simplest carboxylic acid with a formula of H-C-OOH. It ... is described as a "colorless, fuming liquid with a pungent, penetrating odor."

Vapor-air mixtures of 18-57% are explosive, if the ambient temperature is at or above 122 degrees F and the mixture is ignited by ... a spark. "The vapors are heavier than air and may travel a considerable distance to source of ignition and flash back." However, fire is not my major concern.

1) Organic acids are dangerous materials to handle. If you spill formic acid on your skin, expect "severe pain, brown or yellowish stains, burns that usually penetrate the full thickness of the skin, ... and heal slowly."

2) Splashed into the eyes, formic acid causes pain, tears, blurred vision and photosensitization (lights are too bright). If someone accidentally drank formic acid, it would cause "severe burning pain in the mouth, throat and abdomen, followed by vomiting, ... diarrhea, ... liver and kidney damage, ... collapse, convulsions, coma and paralysis."

3) The most subtle effects, however, involve inhalation. Opening a container of formic acid in an enclosed space liberates fumes. At 100 ppm, the fumes are "immediately dangerous to life and health. Inhalation of low concentrations causes tearing, ... runny nose, coughing, throat irritation and headache. Higher concentrations may produce the previous symptoms, followed in 6-8 hours by ... fluid on the lungs, tightness in the chest, difficulty in breathing, dizziness, frothy expectoration, and ... skin discoloration due to lack of oxygen in blood." Breathing only a little at a time over prolonged periods can lead to "erosion of the teeth, local tissue death in the jaw, bronchial irritation with chronic cough, frequent attacks of bronchial pneumonia, and gastrointestinal disturbances."

If there is any good news to this story, it is that formic acid does not appear to be carcinogenic. It is a mutagen.

Use of proper equipment is a must when handling formic acid. The chemical container should be opened only in a room with powerful exhaust ventilation. The acid is strong enough to eat through some forms of plastics, rubber, and coatings. "Employee must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance, including appropriate gloves and splash-proof or dust-resistant safety goggles and faceshield to prevent contact with this substance."

WELCOME!
to the
OSBA Spring Meeting
Shilo Inn
Tillamook, Oregon
May 11, 1991



Program



- 6:30 Breakfast Meeting
- 8 - 9 Doughnuts and Registration
- 9:15 - 10 Featured Speaker, Doug McCutcheon
- 10 - 10:30 Coffee Break
- 10:30 - 12 "Business Meeting"
- 12 - 1:30 Lunch Speaker, Rep. Walt Schroeder
- 1:30 - 2:15 Pollination in Oregon, Dr. Mike Burgett
- 2:15 - 2:45 E.R. Jackman Foundation, Betty Brose, OSU
- 2:45 - 3:15 Coffee Break
- 3:15 - 3:30 National African Bee Committee
Comments by Dr. Burgett
- 3:30 - 4:45 Timely Chat!
George Hansen, Beekeeper

Registration: \$7/person or \$10/family - Lunch: \$6.50



Douglas M. McCutcheon, Langley, BC

It is our pleasure to have Doug McCutcheon as our featured speaker, who will be covering fairs, pheromones and beekeeping in B.C.

Doug is presently employed as part-time consultant to Phero Tech, Inc., Delta, B.C. His duties involve the development of pheromones related to bees. The queen mandibular pheromone has been determined and developed by by Simon Fraser University, Burnaby, B.C. Pero Tech has the rights to

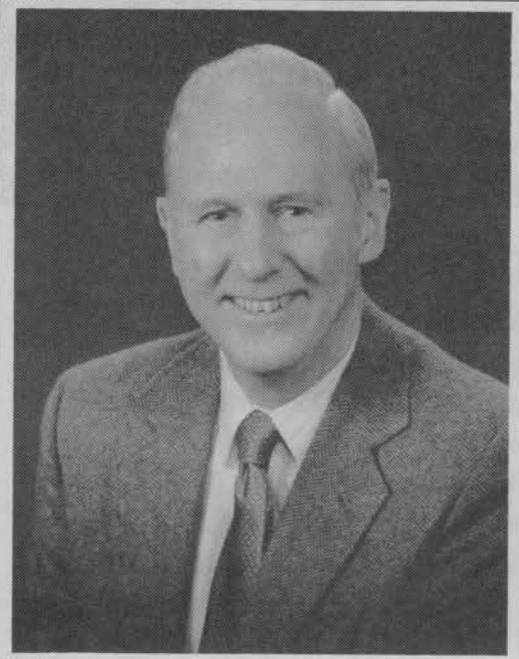
develop and market the material. His work involves testing, development and marketing.

At one time Doug owned and managed a 900 hive operation. During that time he was a director of the Saskatchewan Honey Producers Marketing Co-op and president of the Saskatchewan Beekeepers Association.

Doug is currently chairman of the Apiculture Committee of the Pacific National Exhibition in Vancouver, on the Education Committee of B.C. Honey Producers Association, and on the Beemaster Committee at Simon Fraser University. He will be selling books on beekeeping.

THANK YOU!
to the Tillamook County
Beekeepers Association
for hosting our meeting!

Speaker Profiles



Rep. Walt Schroeder, Lunch Speaker

Walt Schroeder, chairman of the powerful House Agriculture Forestry and Natural Resources Committee, Education Committee, and Water Policy Committee, is in his fourth term as Representative from Coos and Curry Counties.

Schroeder is a retired County Extension agent, having served Coos, Lane, Washington and Curry Counties from 1949-1983.

Dr. Michael Burgett, OSU Extension Entomologist

Dr. Burgett will be speaking on pollination in Oregon, followed by an update on the National African Bee Committee.

Dr. Burgett graduated with his Ph.D. in Entomology from Cornell University in 1973, working under Dr. Roger Morse. He came to Oregon in 1974.

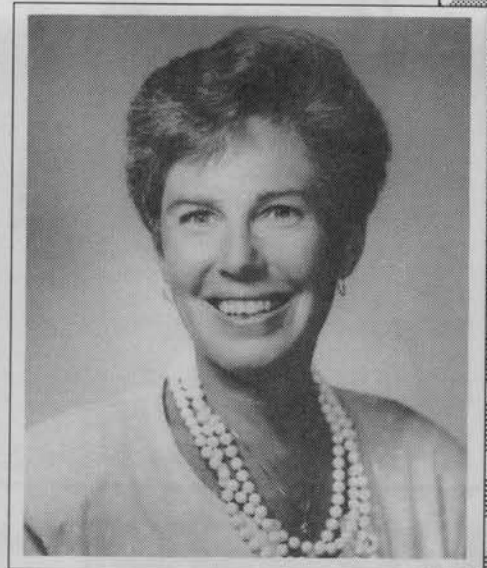


Betty Brose, E.R. Jackman Foundation

Betty is Director of Development of the College of Agriculture Sciences/E.R. Jackman Foundation, Oregon State University. She is a vibrant and enthusiastic speaker who will tell us about the services provided by the foundation.

Betty has a Bachelor of Science in Home Economics Education from California Polytechnic State University in San Luis Obispo. She has held various positions at OSU since 1974.

The E.R. Jackman Foundation was established in 1968 to honor the memory of Mr. E.R. "Russell" Jackman and his many contributions to Oregon's agricultural industry, and to develop private contributions enhancing excellence in education, research, and extension at OSU.



George Hansen, Colton, OR, Beekeeper

George is past president of OSBA and past chairman of the Apiary Advisory Board. He is a commercial beekeeper operating bees in several states for both pollination and honey production.

George and his wife Sue also do custom extracting.

DETOUR! The Wilson River Hwy (Hwy 6) is closed!



Continued from page 8

If a person is going to be in an atmosphere where there are 100 ppm (0.01%) formic acid, one of the following must be worn:

1. chemical cartridge respirator with an organic vapor cartridge and a full face mask
2. dust, mist and fume respirator
3. gas mask with an organic vapor canister (chin-style, front- or back-mounted canister)
4. supplied-air respirator with a full face piece, helmet or hood
5. self-contained breathing apparatus with full facepiece.

I hope that this information is convincing. Formic acid MUST be handled with care.

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Legislative Information: To find the status of a bill, committee or session schedules or other information about legislative actions, call **1-800-332-2313**.

REPRESENTATIVES' HOME ADDRESSES

Name	Address	District
Jerry Barnes (R)	950 Valley View Rd, Ashland, 97520	52
Ray Baum (R)	605 F St, La Grande, 97850	58
Judy Bauman (D)	5527 SE 54th, Portland, 97206	13
Marie Bell (R)	1262 Calvin, Eugene, 97401	41
Tom Brian (D)	PO Box 23484, Tigard, 97223	9
Stan Bunn (R)	408 E First, Newberg, 97132	29
Mike Burton (D)	6937 N Fiske, Portland, 97203	17
Larry Campbell (R)	2435 Wilson Dr, Eugene, 97405	43
Margaret Carter (D)	2948 NE 10th Ave, Portland, 97212	18
Ron Cease (D)	2625 NE Hancock, Portland, 97212	19
Ted Calouri (R)	14785 NW Bonneville Ln, Beaverton, 97006	7
Kelly Clark (R)	25195 SW Parkway Ave, Wilsonville, 97070	27
Bev Clarno (R)	901 Breitenbush Ln, Bend, 97702	55
Peter Courtney (D)	2925 Island View Dr NE, Salem, 97303	33
Gene Derfler (R)	1408 34th St NW, Salem, 97304	31
Sam Dominy (D)	43 N K St, Cottage Grove, 97424	44
Bill Dwyer (D)	5558 Thurston Rd, Springfield, 97478	42
Jim Edmunson (D)	1460 Oak Dr, Eugene, 97404	39
Mary Alice Ford (R)	6620 SW Hickman Ln, Portland, 97223	8
Jeff Gilmour (D)	3483 Buena Vista Rd S, Jefferson, 97352	30
Cedric Hayden (R)	1606 Chambers St, Eugene, 97402	38
Carl Hosticka (D)	PO Box 3236, Eugene, 97403	40
Bruce Hugo (D)	PO Box 751, Scappoose, 97056	1
Eldon Johnson (R)	3650 Ross Ln, Medford, 97501	51
Rod Johnson (R)	1941 Old Garden Valley Rd, Roseburg, 97470	45
Delna Jones (R)	PO Box 5666, Aloha, 97006	6
Denny Jones (R)	1461 NW Third Ave, Ontario, 97914	60
Tim Josi (D)	6740 Baseline Rd, Bay City, 97107	3
Vera Katz (D)	2068 NW Johnson, Portland, 97209	10
Vacant		12
Kevin Mannix (D)	2003 State, Salem, 97301	32
Bill Markham (R)	Rte 1 Glenbrook Lp Rd, Riddle, 97469	46
Tom Mason (D)	5814 SW 59th Ct, Portland, 97221	11
Dave McTeague (D)	14425 SE Johnson Rd, Milwaukie, 97267	25
John Meek (R)	713 NW Queens Ct, Hillsboro, 97124	5
Randy Miller (R)	PO Box 1795, Lake Oswego, 97035	24
John Minnis (R)	1611 NE 143rd, Portland, 97230	20
Lisa Naito (D)	4506 SE Belmont #210, Portland, 97215	15
Mike Nelson (D)	Rte 1, Box 54B, Baker City, 97814	59
Chuck Norris (R)	PO Box 121, Hermiston, 97838	57
Tom Novick (D)	3314 NE 65th Ave, Portland, 97213	16
Carolyn Oakley (R)	3197 NW Crest Lp, Albany, 97321	36
Fred Parkinson (R)	301 W Main St, Silverton, 97381	28
Del Parks (R)	228 N 7th, Klamath Falls, 97601	53
Bob Pickard (R)	19190 Pinehurst Rd, Bend, 97701	54
Bob Repine (R)	1709 Beverly Dr NE, Grants Pass, 97526	49
Hedy Rijken (D)	PO Box 576, Newport, 97365	4
Lonnie Roberts (D)	15815 SE Mill, Portland, 97233	21

John Schoon (R)	7090 Zena Rd, Rickreall, 97371	34
Walt Schroeder (R)	95102 Rogue River Hghts, Gold Beach, 97444	48
Bob Shiprack (D)	22610 S Forest Pk Rd, Beavercreek, 97004	23
Larry Sowa (D)	18438 S Holly Ln, Oregon City, 97045	26
Beverly Stein (D)	1625 SE 44th Ave, Portland, 97215	14
Ron Sunseri (R)	1670 SE Paloma Ct, Gresham, 97080	22
Jackie Taylor (D)	1174 Commercial, Astoria, 97103	2
Tony Van Vliet (R)	1530 NW 13th, Corvallis, 97330	35
Liz VanLeeuwen (R)	27070 Irish Bend Lp, Halsey, 97348	37
Greg Walden (R)	1504 W Sherman, Hood River, 97031	56
John Watt (R)	3049 Starwood Ct, Medford, 97501	50
Jim Whitty (D)	HC 52, Box 658, Coos Bay, 97420	47

SENATORS' HOME ADDRESSES

Name	Address	District
Bill Bradbury (D)	PO Box 1499, Bandon, 97411	24
John Brenneman (R)	2780 NE Jackson Pl, Newport, 97365	2
Peter Brockman (R)	70825 Indian Ford Rd, Sisters, 97759	27
Jim Bunn (R)	8157 SW River Bend Rd, McMinnville, 97128	15
Jane Cease (D)	2625 NE Hancock St, Portland, 97212	10
Joyce Cohen (D)	PO Box 385, Lake Oswego, 97034	13
Joan Dukes (D)	Rte 2, Box 503, Astoria, 97103	1
Wayne Fawbush (D)	5000 O'Leary Ln, Hood River, 97031	28
Shirley Gold (D)	4828 SE 35th Ave, Portland, 97202	7
Ron Grensky (R)	139 S Keeneway Dr, Medford, 97504	25
Jeannette Hamby (R)	952 NE Jackson School Rd, Hillsboro, 97123	5
Lenn Hannon (R)	240 Scenic Dr, Ashland, 97520	26
Jim Hill (D)	4584 12th Place S, Salem, 97302	16
Larry Hill (D)	174 West "K" St, Springfield, 97477	21
Tricia Smith (D)	2420 Edgewood Ave NE, Salem, 97303	17
Peg Jolin (D)	31251 Joe Geer Rd, Cottage Grove, 97424	22
Bill Kenemer (R)	18808 SE Mildred Wy, Ste 200, Milwaukie, 97267	12
Grattan Kerans (D)	1015 Willa St, Eugene, 97404	20
Bob Kintigh (R)	38865 E Cedar Flat Rd, Springfield, 97478	14
John Kitzhaber (D)	S-203 State Capitol, Salem, 97310	23
William McCoy (D)	6650 N Amherst St, Portland, 97203	8
Glenn Otto (D)	23680 NE Shannon Ct, Troutdale, 97060	11
Paul Phillips (R)	PO Box 231208, Tigard, 97223	4
Frank Roberts (D)	11609 NE Klickitat, Portland, 97220	9
Bob Shoemaker (D)	4837 W Burnside Rd, Portland, 97210	3
Dick Springer (D)	7624 SE 13th Ave, Portland, 97202	6
Mike Thorne (D)	Holdman Rte, Box 505, Pendleton, 97801	29
Eugene Timms (R)	1049 N Ct, Burns, 97720	30
Clifford Trow (D)	1835 NW Juniper Place, Corvallis, 97330	18
Mae Yih (D)	34465 Yih Ln NE, Albany, 97321	19

Classified Ads

Bee Hives: 500 strong 8-frame double deeps. All Varroa inspected. \$60 each. Call 503-473-3867 Jim Nelson, Vale. 15-4

Honey: white to amber, by the bucket or barrel, any quantity. Ready to bottle. Call for current prices. Bee Sweet Honey Company, 503-357-8805 Forest Grove. 15-8

Surplus Equipment: 100 Honeywood feeder pails; Dadant heat exchanger; and 100 hive pallets. 324-2571 Bill Rufener, Banks. 15-10

More Bee Hives: 1000 8-frame and 150 10-frame deep and shallow hives. All Varroa inspected. \$45-\$50. 208-722-5271 Jim Nelson, Vale. 15-3

Miscellaneous Equipment: 30-Frame radial extractor with motor & stand, very good condition, \$275; Honey tanks with lids and gates, 50 gallon @ \$30, 2 each 20 gallon @ \$7.50, 5 gallon (almost new) @ \$12; Doolittle frame feeders, 70 each @ \$1.25; 5-gallon honey cans, 60 each @ \$.30; round metal cans, new, hold 40 lb, 30 each @ \$1.50; Steel honey gate, 1 1/2 inch new @ \$12; Masonite division boards, 40 each @ \$.40. 364-9701 Salem. 15-3

Extracting Equipment: Cowen 36 frame parallel extractor, in excellent condition. Evening phone 509-965-5614 Ron Wickstrom, Yakima. 15-6

Bee Hives: 8 colonies, 2 full-depth bodies each, disease-free. Make an offer. Call Lawrence at 929-4342, Philomath. 15-4

Wanted: Comb honey dishes and Wedgewood honey pot. See Betty Ramsey at Spring Meeting or call, 393-3357. 15-4

Spring Meeting**May 11, 1991**

The Tillamook Beekeepers will be hosting the upcoming Spring Meeting, **Saturday, May 11** at the Shilo Inn in Tillamook.

Prices for a double room will be \$57 and \$63 with four to the room. Registration begins at 8 am with a full day of interesting speakers.

Please check the "Special Edition Program" insert for details.

Spring Meeting**May 11, 1991**

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