

SABBATICAL LEAVE REPORT

To
Sabbatical Leave Committee
and
Board of Trustees

MT. SAN ANTONIO COLLEGE

by
Herman Weskamp
for
School Year 1982-83

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PERSONNEL OFFICE

APPLICATION FOR SABBATICAL LEAVE

Name of Applicant WESKAMP HERMAN W.
Last First Middle

Address 3034 LARKWOOD WEST COJINA 91781
Street City Zip

Employed at Mt. San Antonio College beginning JULY 1952
Month Year

Dates of last sabbatical leave:
From FEB 1974 To JUNE 1974
Month Year Month Year

Department AGRICULTURE Division NATURAL SCIENCE

Length of sabbatical leave requested: Purpose of sabbatical leave:
One semester _____ Study ~~E~~ Independent Study or Research X
Fall _____ Spring _____
Two semesters X Travel X Combination (specify) X
Administrative _____ PROGRAM DEVELOPMENT X

Effective dates for proposed sabbatical leave:
From SEPT 1982 To JUNE 1983
From JULY 1982 and (if needed) To SEPT 1982

Attach a comprehensive, written statement of the proposed sabbatical activity(ies) including a description of the nature of the activity(ies), a timeline of the activity(ies) an itinerary, if applicable, the proposed research design and method(s) of investigation if applicable.

Attach a statement of the anticipated value and benefit of the proposed sabbatical activity(ies) to the applicant, his/her department or service area, and the College.

Any change or modification of the proposed sabbatical activity(ies) as evaluated and approved by the Salary and Leaves Committee must be submitted to the Committee for reconsideration.

H. Weskamp Nov 30, 1981
Signature of Applicant Date

176 days sabbatical Sept - June 30
22 days work July + August
ii

Applicant's Name H. W. WESIKAMP

The acknowledgment signatures reflect awareness of the sabbatical plan for the purpose of personnel replacement. Comments requested allow for recommendations pertaining to the value of the sabbatical leave plan to the College. Applicants must obtain the signatures of acknowledgment prior to submitting application to the Salary and Leaves Committee.

ACKNOWLEDGMENT BY THE DEPARTMENT/DIVISION

Signature of Department Chairperson Barbara Lane Date 12/1/81

Comments:

Signature of Division Chairperson Albert M. Brumby Date 12/1/81

Comments:

ACKNOWLEDGMENT BY THE OFFICE OF INSTRUCTION

Signature of Vice President/Asst. Superintendent
Instructional & Student Services Joseph M. Zarek Date 12-1-81

Comments:

FINAL ACTION BY THE SALARY AND LEAVES COMMITTEE:

Recommend approval to the Board of Trustees

Not recommend approval to the Board of Trustees

Walter A. Collins Date 6-28-82
Signature - Chairperson, Salary and Leaves Committee Date

Herb R. Russell Date 11/29/83
Signature - Authorized Agent for the Board Date

PREFACE

THE PURPOSE OF THE SABBATICAL LEAVE

This request for a Sabbatical Leave was the result of the need for time to carry out the coordination and work of developing the Urban Forestry Program. The Committee was unsuccessful in its efforts to get full funding of the original grant.¹ In negotiations with the State, it was made apparent to us that the program would receive only a portion, probably only as much as twenty thousand dollars (\$20,000.00), of the funds as requested in the grant. Therefore, it was necessary to find a way to save the monies that could best be used for material expenses, a specialist, and part-time help.

The personal pronouns "Us" and "We" in this report refer to Mt. San Antonio College, the Tri-City Urban Forest Council, and those involved in the project as represented by myself. Mr. Charles Hewitt agreed to do the writing and take the lead position as my tenure at the College was coming to an end, and we felt the continuity would give the program a better chance for long-term success.

The original planning team at the College, after applying for the grant, turned over the development of the program to Mr. Hewitt and myself, the originator. Mr. Hewitt was then assigned the added responsibility of Coordinator of the Agriculture Department, leaving him little time for the Urban Forestry Program. Because I wanted to keep Mr. Hewitt involved with the project, he continued with the writing and administration

of the grants while I did the field work with the cities, the committees, the workers, the State, and County Foresters. These cooperators and I researched information and sought sources of assistance. I also assumed leadership, as coordinator, of the Tri-City Council during the sabbatical year.

As soon as it became evident that the \$20,000 grant was in jeopardy, and possibly would not come through at all, the Committee launched an effort to assure its fulfillment. This required additional, unanticipated hours to find ways to keep the grant request alive and the program growing and progressing with or without such funding.²

I had made a commitment which I could not go back on. I felt, with the sabbatical leave time, our urban forestry program would be able to survive and eventually accomplish its original goals.

The opportunity arose for some additional funding through the California Urban Forestry Council, who had an approved grant from the California Department of Forestry.¹³ Since we were already well along in developing the requirements for the original grant, this new proposal would not change our objectives or direction, but would help to fulfill them.

A proposal was, therefore, submitted to the California Urban Forestry Council.¹⁴ Mr. Dick Reid, President of this Council, Mr. Hewitt, and I met several times to negotiate a satisfactory compromise of the original intent and the work we were actually doing. This required us to expand our commitment to include more cities than those within the Tri-City group. I set up

and conducted individual and group seminars and programs with any interested group or city. This is still in progress and an on-going operation.

Later in the year, the California Department of Forestry, through a Federal Small Business Jobs Bill, offered us an Urban Forest Tree Planting and Maintenance grant.¹⁵ Here was another source of funds to help us achieve some of the original goals that were yet unfunded. The organization and planning for the tree plants were accomplished during the sabbatical time.

The actual field work of planting the trees was, however, not accomplished until later in the summer of 1983. The plans worked very well and the operation as very effective in holding the Urban Forestry program together while building inside and outside interest. Even though the field work was accomplished during the summer months, it effectively involved students during and after the sabbatical. The College benefitted through having over 1500 trees planted on the campus along with the development of a tree nursery with an irrigation system and the establishment of a Christmas tree plot which is also under irrigation.

A great deal of my sabbatical time was spent pursuing sources of funding for the original proposal from any and all possible sources. Finally, at a meeting in Berkeley with the new Director of the California Department of Forestry, Mr. Jerry Partain, I received a promise of help which became reality six months after my sabbatical leave ended.⁸

I began my sabbatical with a primary goal to establish a total tree management system. This was accomplished by organizing an inventory and

and developing a management program that would fit the computer. This computer program was quite successful.⁵

In November of 1982, my wife and I made a trip to Free China as guests of SACO (Sino-American Cooperative Organization).⁸ I used this opportunity to consult with their forestry people thereby gaining not only by the travel experience itself, but from the exchange of technical information in the area of forestry as it relates to other countries. This was included in my leave proposal.

Independent study was planned and accomplished in the process of participation in meetings, seminars, and conferences. There was and is little material available for direct research in urban forestry to help our program. The information I gathered on this subject is available to those interested and may be obtained from the files of the Agriculture Department, Mt. San Antonio College.

My role in the Urban Forest Program was that of facilitator, making things happen. Some of the projects were: putting together the tree planting in each of the cities (5), the Arbor Day Programs in each city (5), working directly with each city and their Committees (1), as well as the overall development of the Urban Forest Program.

Appendix (Continued)

Memo of Understanding

Tree Planting Grant--Jobs Bill

California Urban Forest Council Proposal

Golden Gate Park Plan

ACCOMPLISHMENTS FOR THE YEAR

Since the main purpose of my sabbatical leave request was to have the time needed to develop the Tri-City Urban Forestry Program, my activities were centered around this goal. This has been true since I began the program.

By the very nature of the urban forestry program, there may be some parts that extend beyond the sabbatical time restraints. This is due to the sabbatical dates, my available time, timeliness of the work, and the carry-over necessary to accomplish a particular goal. Often the project involved planning and organizing. Much of this was accomplished prior to the sabbatical year. The completion of a project is the function of a sabbatical. However, because of the nature of this project, many of the goals will not be reached until after the sabbatical time limit.

However, I will continue, against all odds if necessary, to try to find the time needed to keep the program alive. Without sabbatical leave time, a commitment to this project would not be possible at this time.

The parts of the program that were accomplished during the sabbatical year are working well and are valuable to the district and the community. Because of this start, the program is well enough established to assure its total success. The benefits to Mt. San Antonio College have been astonishing and the College and community have expressed their appreciation of the value of these accomplishments to them.

A Summary of My Activities for the Year

The goals pursued in the development of the Tri-City Urban Forestry Program and my sabbatical proposal are as follows:

- A. The Grant Programs
- B. The Inventories Programs
- C. Tree Management System
- D. Establishment of the Firewood Program for Income
- E. Development of Uses for Bio-mass
- F. Assistance to the Cities in the Development of Their Programs
- G. Trip to the Republic of China
- H. Tree Seeds and Cuttings
- I. Additional Activities
 - 1. Attendance at the National Urban Forest Program in Cleveland, Ohio
 - 2. Attendance at the Bio-Mass Seminar in Oakland, California, (Urban Wood Waste Recovery)
 - 3. Visits to and by People and Places

GRANT PROGRAMS

I spent many hours during my sabbatical year working on grants. The requests for grant funds began in 1981.⁸ There were postponements and delays. The greatest problem seemed to be the size of our request. If the program was to be complete, the request could not be reduced. Changes, concessions, and volunteerisms--like my sabbatical time--and much more were tried in the hopes that grant monies would be forthcoming and enough. This back and forth problem persisted, consuming a lot of my sabbatical time. We went through a waiting period while the state government changed leadership. We waited again through the policy and personnel changes; and then, finally, with direct contact with Mr. Partain, the Tri-City grant was awarded in the Fall of 1983.⁷ However, the work to obtain the grant was done during the sabbatical year. We accepted a challenge from the California Urban Forest Council (of which we are members) to complete a part of their grant program which was compatible with ours.¹⁶ Other sources of funds were also explored. Though none materialized, I worked on one from Target, Inc. and another from Apple Computers and other computer companies. The sources of funds were uncertain due to the poor economic conditions at that time. Nor did I have the time to follow through on these sources since the outlook was not very good anyway. Then came an unexpected breakthrough. The California Department of Forestry asked us to do a jobs bill program.¹⁵ It had many restrictions and had to be completed before the end of summer. It met some of our long term objectives so we changed direction and put ourselves to the task. The project was to plant and maintain trees in each of our three cities plus Walnut and two

Projects on campus. We planted over 2,200 trees, did a lot of maintenance work, added to the tree nursery on campus, and employed over 36 students. All this was made possible because of the sabbatical leave time spent with the California Department of Forestry and the cities involved.

The tree plants and the nursery were planned and laid out during the sabbatical year. The actual planting and installation of grading, chip application, tree placement, and installation of the irrigation system, were extended into the work program in the summer. The trees and irrigation system for the Christmas tree plot were also installed during the summer of 1983 with over 1,000 one-year-old Monterey Pine trees.

The Chinese government videotaped the tour highlights from the fantastic luncheon programs with the governors through special programs to our visit with the people at the Botanical Gardens. They presented me with a copy of the tape which I will make available for showing upon request. I have offered to show it to the Chinese Club here on our campus and to the Lions Club of La Puente.

INVENTORIES PROGRAM

Before any plan or work could be accomplished, the committee decided we would have to know what trees existed, where they grew, their statistics, size, shape, and condition. Not knowing was by no means unique. We found few cities with even partial inventories. A plan and method of doing the inventories was developed. I was a member of this planning group. Because of limitations of funds, time, and the need to accomplish the inventory as rapidly as possible, we looked for assistance and innovation in all directions. The students were a valuable resource here. They were, and are continuing to be, highly involved.

The inventory program was set up as a cooperative effort with the individual cities of West Covina, La Puente, and Covina aided by the Los Angeles County Foresters, California Department of Forestry, local citizens, and Mt. San Antonio College student volunteers who worked with the committee in the field and on the computers. The inventory program began in the target areas of each of the three cities. The trees were counted, measured, evaluated for problems, and the necessary information recorded on the Inventory Tally Sheets⁴ for the Tree Management System.⁵ Without the support of the volunteers and foresters, we would still be counting. The validity of the program and the management of the trees depends on an accurate and complete inventory.

The city of West Covina was completed first and available for the computer. While one student group was entering West Covina's inventory on the computer, another group was doing the field inventories in La Puente and

Covina. At the request of the Mt. San Antonio College Board of Trustees, I expanded the program to include the city of Walnut as a separate operation. I coordinated the work in all of these programs. Some are still in progress since not all the work could be completed, even though the organization and planning and most of the problems resolved, during the sabbatical year.

My role in the inventory was that of coordinator between the students, cities, and foresters. In addition, I helped in the field by training the workers and measuring, identifying, and evaluating the trees. We were continually evaluating the information to assure its accuracy and completeness for the needs of the management system. This work was scheduled at odd and irregular hours due to the availability of the volunteer workers.

An analysis of the West Covina inventory, which was the first to be completed, gave us a good basis for needed changes for future work in the other cities. The Covina inventory was over 90% completed while La Puente was completely tallied during the sabbatical year.

A tree list of approved species was developed for each city.⁴ This work will continue as knowledge of the growth characteristics is better known and new species become available.

TREE MANAGEMENT PROGRAM

The completed Tree Management Program was accomplished with the assistance of the Board of Trustees, Administration, Agricultural Sciences Department, Computer Science Department, and Library of Mt. San Antonio College and many others. Anyone with ideas, knowledge, and willingness to aid in our program was called on for help. A computer student, Mike Javert, volunteered to assist us with this program. He became our Program Writer and is still working with us. I developed the Tree Management System⁵ with Mike's help. We were invited to present this work at the Tree Seminar in Riverside.⁵

This is the heart of the management program and I spent most of my sabbatical leave time working on the system. Through my efforts, we were finally able to get the system on the main frame computer in West Covina. By the end of my sabbatical time, the completed inventory was being entered on the computer and the management system was in operation. Although the emphasis was on Apple computer for the program, we knew early on that some cities would be too large for the Apple. By getting the West Covina program on their HB main frame, we proved the versatility of our program.

Covina and La Puente lacked funds to purchase new computer equipment and the system would not work on the computers they have. I organized student volunteers who took on the job of entering the inventories on diskettes on the Agricultural Department's Apple computers. The amount of memory storage required complicated the ability to use the complete management system we had developed. Since the program would be cumbersome to operate using diskettes,

I decided not to complete this phase of the work until we could get a hard disk system with adequate storage capacity. Because of this need, I spent a lot of time with computer suppliers and anyone who might possibly help in securing this needed equipment. To date, we are still without the required memory space. Mrs. Crane was able to secure enough memory space in the Natural Sciences Division of Mt. San Antonio College's computer to get the management system on a hard disk. This has enabled us to determine the workability of the total program we have developed to date.

During the sabbatical year, I assisted the city of La Verne in getting their management system on their computer with our program. They have an IBM main frame. This gives us the Tree Management System (TMS) on two main frame computers and the Apple.

Mike Javert and I (and sometimes the County and State Foresters) have met with other cities, giving seminars and explaining the Tree Management System and its place in an urban forest program. These cities include Pomona, Claremont, Walnut, Glendora, San Dimas, Glendale, Norwalk, and Santa Maria.

All this activity has established Mt. San Antonio College as a leader in urban forestry in California. Mr. Burkhardt, a researcher in computer programs with the University of California, has told us ours is the most complete system he has seen.

I believe the Tree Management System alone made my sabbatical leave time worth while.

FIREWOOD PROGRAM

One of the goals of the Urban Forestry Management program is to generate income by utilizing the natural resources produced, such as firewood, rather than disposing of it at land-fill dumps. I contacted developers in the local communities that were planning land clearing for construction. I made arrangements with them for cutting out the firewood trees. A firewood site was established on campus, next to the chip bio-mass storage. Students were trained in the use of chain saws, felling, and bucking trees, as well as the proper use and care of the equipment used in the removal operations.

With the space available and the firewood program started, arrangements were made with the cities to bring the usable firewood to the campus. It is estimated that over 40 cords of wood have been collected.

A practical project was initiated when I obtained the use of an hydraulic wood splitter. The use of this equipment was made available to us for the nominal fee of keeping the splitter in good operating condition plus a cord of firewood per year.

The California Department of Forestry again came to our assistance with the donation of several "surveyed" chain saws. Here again, as with the wood splitter, students from the Agriculture Mechanics classes reconditioned the saws for the firewood project and use in the Arborculture classes.

As the students and I were not able to remove all the available trees, I made arrangements with the contractors for their removal and transportation to our firewood site on the campus.

To date, the Forestry and Mechanics students continue working on this project. We have received a new batch of chain saws from the California Department of Forestry. As a result of this donation, we have initiated a special section of the small engines class for their repair and maintenance.

BIO-MASS PROGRAM

To assist the cities involved in saving dump fees and to get an evaluation of the type of material available, an area on the College farm was designated to receive bio-mass from the urban forest participants in the form of chips. This material is being stockpiled, worked, and evaluated on the campus. The California Department of Forestry has under development machinery to process the bio-mass materials.⁹ Some of this machinery has been scheduled for use in our project. We are still negotiating for the equipment to become a part of the Tri-City Urban Forestry Program or for it to be made available to the Program for a period of time sufficient to get a complete evaluation of its potential for this type of operation. The pieces of equipment involved include a special tub grinder that reduces the material to a desired uniform size (usable as mulch, soil enrichment, and energy) and a densifier with attachments which cubes the material into charcoal-like briquettes. The Agriculture Department has used the chip bio-mass material in studies in the tree nursery and where needed for soil improvement and compaction prevention. Some has also been sorted for use in the potting mixes.

The Tri-City Urban Council has been studying and evaluating other potential uses.⁹ The use of the material for energy to fuel an electric generating plant received most of the beginning attention. I met with the Edison Company, consulting firms, and concerned groups who are attempting to develop this kind of use. For example, earlier Proctor and Gamble was building a power

plant in Long Beach that could burn bio-mass, a potential outlet for our material. Working with them on the possible value of, transportation costs, availability of material, and contract requirements, we were able to obtain a great deal of valuable management information. However, it was decided by the Tri-City Urban Council that it would be best not to join the Proctor and Gamble operation at this time.

I met several times with the Los Angeles County waste disposal people as well as other public and private companies in order to gather information and ideas for the development of the bio-mass program. Because this material was considered to be a waste product in the past, it was usually disposed of at a dump, therefore a true value for it has never been determined. The energy crisis and the disposal problems have changed that concept. We are now back to the supply and demand and value problems. Without a demand and an over-supply, the true value is difficult to determine. Several developments for its use, though, are on the market today as a result of the programs presented during the sabbatical period.

I traveled to the Bay Area to attend the Urban Wood Waste Seminar⁹ sponsored by the Associated Bay Area Governments and the California Department of Forestry. Below is a list of some of the people and places I visited for bio-mass information and study:

Mr. Jim Archer, Forester, Lake Arrowhead Project, the Edison
facilities

U.S. Forest Service Bio-Mass Projects in Angeles and San Bernardino
forests

The cities of Glendale, Oakland, San Francisco, Berkeley, Santa
Maria, San Bernardino, and Riverside.

THE CITIES' PROGRAMS

The Tri-Cities Council¹ asked for the establishment of a working committee within each of the three cities: Covina, West Covina, and La Puente.¹ I met with and assisted each group in the development of their programs. The establishment of this citizen awareness was necessary for the program to survive. Because of the different make-up of the cities, each developed its own type of citizen committee.

- Covina:

established a Tree Committee that works directly with their Tri-City representatives, Del Dewhirst and City Mayor Pro Tem Charles Colver;

- West Covina:

used their established West Covina Beautiful Committee and the Parks and Recreation Commission. Their Tri-City representatives are Beatrice Uribe and Dave Roger; and

- La Puente:

established a Citizens Tree Committee that works as a subcommittee to their Recreation Commission. Rick Hartman and Frank Ruiz are their Tri-City representatives.

These committees act in an advisory capacity to the Tri-City Council and to their respective cities. They give assistance to the programs in the cities, helping to plant trees, assisting in the inventory process, finding needs where the council can give assistance, and creating awareness

of urban forestry within the community.

One of the more important projects for this part of the program was to establish recognition of the cities as "Tree City, U.S.A." This is a national Arbor Day award program.⁵ Arbor Day ceremonies were organized in each of the cities, and I gave assistance to each of these programs.⁵ I also worked with the cities to establish the other requirements necessary to qualify as a "Tree City, U.S.A." West Covina was able to qualify and became a "Tree City, U.S.A." in 1983.⁵ La Puente and Covina completed the requirements for qualifying in 1984.

At least one additional volunteer tree planting was organized through my efforts and work.⁶ Under a section of the jobs bill, grants were developed and plans made to plant over 1,200 trees. Additionally, maintenance work, which was of concern to the urban forest concept, was also planned in these grant projects. In the planning, the cities of Glendora and Walnut and the Mt. San Antonio College campus were included. Due to certain legal restrictions, Glendora withdrew and was dropped from the grant requests. I was to manage the off-campus field work. Mr. Hewitt organized the on-campus portion and, as Department Coordinator, the paperwork.

With the planning and preparation work completed, we had to wait until late summer 1983 to implement and actually carry out the work. The project could not be implemented earlier because of the program restrictions. It was my responsibility, as coordinator, to plan and make these programs work in the cities of Walnut, La Puente, and Covina. Although the planting was done

during the summer,¹⁵ I consider it part of my responsibility to Mt. San Antonio College and my sabbatical as the project was begun during the leave time and was a function of the total urban forestry goals.

I spent time with the cities developing their tree planting programs⁶ and city planning, and looking for ways to solve problems without grant subsidies. Much of the work and time was spent holding the programs together. We kept the programs alive with the student volunteers accomplishing as much as possible: continuing the tree inventories, entering the information into the computer, carrying on tree planting programs, and conducting the bio-mass and firewood programs work, the tree availability development, and the politics involved in getting the approved grants funded. The activities in the cities have created interest and generated student projects related to the urban forest problems and arboriculture practices, equipment needs, application of computers, field work and study, and use of equipment for managing forests.

Another objective I had established and worked on was the development of a slide program to be used for citizen awareness and later as a part of the grant program. I spent time coordinating work with our library and assisting with the development of the slide show. This was a West Covina urban forestry project. This program is officially the property of West Covina. As grant monies were not available, West Covina financed it completely. As a member of the Tri-Cities Council, I was involved with its development, therefore it is available to the College and the other Tri-City members.

I set-up the various tree plants to include the involvement and assistance of the Forestry students from Mt. San Antonio College. They were involved in both the open space plantings and the Arbor Day programs. With the involvement of the Mt. San Antonio College students and their benefit from the programs, another one of my goals in the program was accomplished.

TRIP TO FREE CHINA

My wife and I, as members of the Sino-American Cooperative Organization (SACO),¹⁰ visited Free China as guests of SACO and the Republic of China. It was a wonderful trip. I was able to exchange ideas and see the fantastic, almost unbelievable progress the people of China have made since I was there last. It was thrilling to see the possibility of a totally free China, sometime in the future, emerging without more war but on a sound, free economic development. The people are happy, aggressive, and interested in bettering their way of life. They have a valuable heritage and developing in a manner enabling them to keep it. I gained a lot from this experience in the area of human relationships.

The Chinese Department of Forestry invited me to spend time with them. We exchanged ideas and information and established a verbal seed exchange agreement. They gave me a listing of available seeds.¹⁰ They also supplied me with a variety of seeds with which we are working in classes now. Some of the seeds were shared with other agencies. They have strict rules on soil imports due to diseases transmitted via soil so a plant sharing operation would be too costly and not practical.

SACO has given several redwood trees to the Republic in previous years. These were germinated under sterile conditions here and then went through a quarantine in China before being planted. Some were planted in their National State Arboretum. As part of our program, we visited the Arboretum to observe these trees. We discussed their growth and problems. We discovered that

their problems with the redwoods are very similar to ours.

The trip was not only interesting but quite informative on a technical level as well as on a people-to-people basis. My wife and I made many new friends with whom we are keeping in touch. I visited several staff members but spent most of the time with Dr. Kuo-Shih Hsu, Director, Taiwan Forest Research Institute, Taipei Botanical Garden.¹⁰

TREE SEEDS AND CUTTINGS

For many years I have been involved with the Los Angeles County Foresters in a study of forest tree reproduction in our area. I spent sabbatical time evaluating this work. Tecolote plantation, which Mt. San Antonio College students helped plant and have been measuring annually ever since, is the focus of attention in this work.

Together with the students, I evaluated the trees grown from cuttings from the special trees in Tecolote. These special trees grew from seeds that came from Afghanistan and Russia. The cloning process is not yet proven, however the sibling trees are progressing as expected. They may be of real value to our Southern California forests because they are doing as well as, if not better than, other species used in our area.

The students and I collected seed from the special trees and tested them for viability for possible planting to compare with the earlier cuttings.

Our conclusion was that a few more years will be needed to have good viability. Some good seeds were collected and are in the process of germinating and, hopefully, growing into trees for the testing process.

ADDITIONAL ACTIVITIES

Second National Urban Forestry Conference, Cincinnati, Ohio

I was able to attend the Conference where the theme was "Urban Forestry for Livable Cities: Making It Happen."¹¹

At the conference, Mr. Hewitt and I presented a display for the Tri-Cities Council giving information and answering questions about our urban forestry program. Although most of the country east of the Rockies has been working on urban forestry programs for some time, we received lots of interest because of the completeness of our program and its total management concept. The national offices involved with the conference, especially the American Forestry Association and the Urban Forestry Office of the U.S. Forest Service, gave us much support.³ They visited our program later in the year and supported our grant requests. Mt. San Antonio College is known throughout the urban forestry world because of these contacts.

Urban Wood Waste Recovery, Oakland, California

I also attended the Urban Wood Waste Recovery program sponsored by the Association of Bay Area Governments which was held April 14, 1983.⁹ This was a well-attended seminar and many good contacts were made with fellow members. Linda Morse of ABAG contributed a lot of information and help on bio-mass for our program. The work already done on bio-mass will provide our program with a substantial time saving.

Regional Urban Forester, San Francisco, California

Mr. Dave Rogers, West Covina, and I were guests of the Regional Urban

Forester, Mr. Allworth, in San Francisco. The purpose of this meeting was to discuss their urban forestry program which involves the logging of trees in Golden Gate Park. Before urban forestry was acceptable, logging in a large metropolitan park was out of the question. We also studied their inventory and computer programs while we were there. Our trip also took us to Oakland where they are working on a management system using a Radio Shack computer and historical information as the basis for their program. They have the most extensive history of city trees I have ever seen; it goes back forty years.

Miscellaneous Activities/Contacts

Mr. Hewitt and I also looked at other successful and developing urban forestry operations. I was quite impressed by several Arbor Day programs and the methods used to involve the various citizen groups.

As a result of the development of our computer program, Tree Management System, I was invited to present a paper as part of the Tree Management Seminar at the University of California, Riverside, in October of 1983.⁵ I had also attended the 1982 Tree Management Seminar at the same location.¹²

With the assistance of Mike Javert, as well as County and State Foresters, I have made presentations of the management program to several other cities and groups. As a result of these presentations, several of the cities are planning to utilize the program. Some cities have already implemented parts of it. La Verne has a partial inventory of their trees on their IBM computer. San Dimas is studying the program. Norwalk, Glendale, and Modesto have

Forester, Mr. Allworth, in San Francisco. The purpose of this meeting was to discuss their urban forestry program which involves the logging of trees in Golden Gate Park. Before urban forestry was acceptable, logging in a large metropolitan park was out of the question. We also studied their inventory and computer programs while we were there. Our trip also took us to Oakland where they are working on a management system using a Radio Shack computer and historical information as the basis for their program. They have the most extensive history of city trees I have ever seen; it goes back forty years.

Miscellaneous Activities/Contacts

Mr. Hewitt and I also looked at other successful and developing urban forestry operations. I was quite impressed by several Arbor Day programs and the methods used to involve the various citizen groups.

As a result of the development of our computer program, Tree Management System, I was invited to present a paper as part of the Tree Management Seminar at the University of California, Riverside, in October of 1983.⁵ I had also attended the 1982 Tree Management Seminar at the same location.¹²

With the assistance of Mike Javert, as well as County and State Foresters, I have made presentations of the management program to several other cities and groups. As a result of these presentations, several of the cities are planning to utilize the program. Some cities have already implemented parts of it. La Verne has a partial inventory of their trees on their IBM computer. San Dimas is studying the program. Norwalk, Glendale, and Modesto have

People and Places (Continued)

Attended the Society of American Foresters Executive Council meetings every other month and five (5) Chapter Meetings and two (2) Southern California Society meetings, taking students along whenever possible.

Attended Tree Maintenance Workshops in Orange County Farm Advisor's Office, February 1983.

On March 12, 1983, participated in the 1983 Environmental Education Fair at the Los Angeles County Arboretum.¹¹

Presented three (3) Conservation Education Programs at local grade schools.¹¹

Met with the Tree People, a tree-awareness group headquartered in Los Angeles.¹¹ We exchanged knowledge and assistance several times during the year.

Appendix 11 contains additional information on the people and places I contacted during the sabbatical year.

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SUMMARY

The original purpose and scope of our urban forestry program remain. They are coming into reality. A big part of the success was the time the sabbatical gave me. The programs are moving in the desired direction. They are well enough established to survive. It has taken extra effort and time on the part of all those involved. This is, of course, necessary if any new program is to succeed. Even though my sabbatical leave has expired, I am, as before, giving the program all the available time I can find. My family is to be thanked for their understanding help enabling me to accomplish these goals. It has, in my opinion, been well worth my personal time and the time allowed by the sabbatical leave.

Mt. San Antonio College has taken another step in assuming its role as a community college, offering the community support and leadership in a practical field concerning the management of a valuable natural resource. The value of knowledge and experience to the students who have been involved is evident. The long term value to the curriculum has continued to gain benefits as the urban forestry concepts continue to develop. The potential of developing work stations for graduates of the horticulture and forestry programs is happening and will grow. The bio-mass and firewood programs and the tree nursery and tree farm established on campus are giving our students hands-on experience and benefits and should continue to do so as well as generating revenue to help operate the College farm and keep the Tri-City program moving ahead.

SUMMARY

The original purpose and scope of our urban forestry program remain. They are coming into reality. A big part of the success was the time the sabbatical gave me. The programs are moving in the desired direction. They are well enough established to survive. It has taken extra effort and time on the part of all those involved. This is, of course, necessary if any new program is to succeed. Even though my sabbatical leave has expired, I am, as before, giving the program all the available time I can find. My family is to be thanked for their understanding help enabling me to accomplish these goals. It has, in my opinion, been well worth my personal time and the time allowed by the sabbatical leave.

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APPENDIX

APPENDIX

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APPENDIX 1

TRI-CITY URBAN FORESTRY RENEWAL COUNCIL
MAILING LISTExecutive Council

Don Allen, Director
Parks & Recreation
City of La Puente
15900 E. Main Street
La Puente, CA 91744
213-330-4511

Charles Colver, Councilman
City of Covina
125 E. College Street
Covina, CA 91723
213-331-0111

Beatrice H. deUribe, President
West Covina Beautiful
City of West Covina
1444 W. Garvey Avenue
West Covina, CA 91790
213-962-8631

Del Dewhirst, Director
Field Operations
City of Covina
125 E. College Street
Covina, CA 91723
213-331-0111

Rick Hartman
Associate Planner
City of La Puente
15900 E. Main Street
La Puente, CA 91744

Charles Hewitt, Executive Director
Tri-City Urban Forestry Renewal Council
Mt. San Antonio College
1100 North Grand Avenue
Walnut, CA 91789
714-594-5611 Ext. 541

Robert Johnson
Los Angeles County Forestry
1320 N. Eastern Avenue
Los Angeles, CA 90051

Eric Oldar, Urban Forester
California Department of Forestry
2524 Mulberry Street
P. O. Box 1067
Riverside, CA 92502
714-781-4162

Dave Roger
Park Superintendent
City of West Covina
1444 W. Garvey Avenue
West Covina, CA 91790
213-962-8631

Frank Ruiz, Director
Field Operations
City of La Puente
15900 E. Main Street
La Puente, CA 91744
213-330-4511

Herman Weskamp, Secretary
Tri-City Urban Forestry Renewal Council
Mt. San Antonio College
1100 N. Grand Avenue
Walnut, CA 91789
714-594-5611 Ext. 542

Advisory Committees

City of Covina

Werdna Beale
449 Italia Street
Covina, CA 91723
213-332-3773

Ann Gerhardt
719 Inman Road
Covina, CA 91791
213-332-1429

Anita Misner
1160 N. Conwell #B-506
Covina, CA 91722
Home 213-966-3178
Office 213-382-7354

Bill Neal
1945 Tudor #203
Covina, CA 91724
213-331-1569

Barbara Rogers
645 Vecino Drive
Covina, CA 91723
213-966-2594

Stan Smith
104 S. Heathdale Ave.
Covina, CA 91722
213-339-5628

City of La Puente

Dora Arzola
16313 Bluebonnet
La Puente, CA 91744
213-330-1130

Robert Caldera
16159 Bluebonnet
La Puente, CA 91744
213-968-0378

Hector Dumlaio
853 Nantes Avenue
La Puente, CA 91744
213-333-7004

Eleanor Madero
318 Ardilla
La Puente, CA 91744

Silas Reed
828 Nantes Avenue
La Puente, CA 91744
213-336-9862

Charles Storing
15900 E. Main Street
La Puente, CA 91744

Marie West
843 Ardilla Street
La Puente, CA 91744

Henry Wilson
15415 Hartsville Street
La Puente, CA 91744

City of West Covina

James R. Brodnax
1148 Merced Avenue
West Covina, CA 91790
213-918-0998

Dorothy Dal Cerro
828 S. Dancove Drive
West Covina, CA 91791
213-919-3637

Greg Jones
Recreation Services Department
City of West Covina
1444 W. Garvey Avenue
West Covina, CA 91790

Thomas Nessman
3417 Peggy Court
West Covina, CA 91792

Emily Penfield
Zoning Department
City of West Covina
1444 W. Garvey Avenue
West Covina, CA 91790

Louis Reynolds
1446 Hollencrest
West Covina, CA 91691

Dave Roger
P. O. Box 1440
West Covina, CA 91793

Ruby Williams
1946 Woodgate Drive
West Covina, CA 91792
213-965-4058

Mt. San Antonio College

James Albanese, Vice President
Business Services

Barbara Crane, Division Dean
Natural Sciences

Dr. Gilbert Dominguez, Dean
Instructional Services

Dr. John Randall
Superintendent/President

Richard Wright, Dean
Occupational Programs

Joseph Zagorski, Vice President
Instructional & Student Services

Associate Advisors

Dick Churchill
17612 El Nopal Lane
Huntington Beach, CA 92647
714-842-4528

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City of La Puente
15900 E. Main Street
La Puente, CA 91744
213-330-5611

Herman R. Fast, City Manager
City of West Covina
1444 W. Garvey Avenue
West Covina, CA 91790
213-962-8631

Richard Reid, President
California Urban Forest Council
211 Sutter Street
San Francisco, CA 94108
415-956-0410

David S. Melilli, Superintendent
Maintenance & Operations
City of Walnut
21201 La Puente Road
Walnut, CA 91789
714-595-7543

Peter Schabarum, Supervisor
County of Los Angeles
400 Civic Center Plaza
Pomona, CA 91766
714-623-6811

Richard A. Miller
City Manager
City of Covina
125 E. College Street
Covina, CA 91723
213-331-0111

Tony Wetzel
P. O. Box 440
1601 W. 7th Street
Long Beach, CA 90801

PURPOSE:

The Tri-City Urban Forestry Renewal Council recognizes the importance of trees in the urban environment and the value of a comprehensive management program to support urban trees.

*& the management of
Urban-veg. & trees*

OBJECTIVES:

The signatories of this memorandum recognized the need to meet periodically to evaluate and discuss matters of mutual interest in the management of urban trees within the San Gabriel Valley community to achieve ~~one or more of~~ the following objectives.

1. Reduce the potential for loss of life or property due to hazardous trees.
2. Increase benefits from an urban forestry management program.
 - a. Enhancement of local cities.
 - b. More cost effective maintenance programs.
 - c. Additional revenue from wood recovery programs.
3. Public awareness and education.

POLICY:

Now, therefor, we, the undersigned form the Tri-City Urban Forestry Renewal Council, hereinafter called the Tri-City Forestry Council with following provisions.

MISSION:

how to attain obj.

The following is a statement of the mission of the Tri-City Urban Forestry Renewal Council and a listing of the activities it will perform in order to achieve the stated objectives.

The mission of the group is to coordinate between member agencies, the various activities necessary to realize the purposes of Urban Forest Management. The various activities include:

1. Identifying tree needs within the City through an inventory program.
2. Establish approved lists of street trees for each City.
3. Develop a master tree designation plan for each City.
4. Develop a maintenance management plan for each City based on the inventory date. This management plan will include:

- a. Tree trimming cycles - date & location.
 - b. Tree removal cycles - " " "
 - c. Tree planting cycles.- " " "
5. Develop and impliment policies and ordinances to support this management plan.
 6. Through the use of films, slide shows, the press and other media, local residents will be made aware of the programs and their help and support will be illicited through community action groups.
 7. Develop a wood utilization program.

ORGANIZATION:

The Tri-City Forestry Council will be comprised of 8 members, two from each City appointed by the City Council and two representatives from Mt. San Antonio College. A quarum of five is necessary for voting and a chairman, vice chairman and secretary/treasurer will be elected to conduct the business of the group. Meetings will be held at least once a month and called by the chairman.



City of WEST COVINA

1444 WEST GARVEY AVENUE • 91790 • AREA CODE 213 • 962-8631

California

March 17, 1983

TO: Members of the Urban Forestry Council
FROM: Greg Jones, Recreation Supervisor
Recreation Services Department
SUBJECT: URBAN FORESTRY MEETING

Enclosed you will find the Agenda for the upcoming Urban Forestry Meeting which will take place on Tuesday, March 22, 1983, in the Employees' Lounge -- Room 209, located on the second floor of the West Covina City Hall.

The Regular Recreation and Parks Commission Meeting has been combined with the Urban Forestry Meeting (Adjourned Recreation and Parks Commission Meeting). Please note that the meeting location will be changed from the West Covina City Yard to the West Covina City Hall.


Greg Jones, Recreation Supervisor
Recreation Services Department

GJ:cas

Enclosures

CITY OF WEST COVINA
RECREATION AND PARKS COMMISSION

Tuesday, March 22, 1983
7:30 p.m.

City Hall
Employees' Lounge, Room 209

A G E N D A

- I. Roll Call
- II. Approval of Minutes - February 22, 1983
- III. Oral Communications
- IV. Written Communications
- V. Report of City Council Actions
 1. City Council approved new fee-and-charge class/Introduction to Personal Computer.
- VI. Staff Reports
 1. Monthly Commission Status Reports
 2. Sanctioning of Westwinds Toastmaster Club No. 2436
 3. Senior Citizen Guidelines
 4. Senior Citizen Issues - Written Report
 5. Guidelines for Formation of a Senior Citizens' Support Group
- VII. Advisory Committee to the Urban Forestry Council

Recess the Recreation and Parks Commission meeting at _____ p.m. to convene the Advisory Committee to the Urban Forestry Council.

 1. Report on Arbor Day Ceremony - March 6, 1983
 2. Status of Grant - Letter from Mr. Chuck Hewitt requesting that the City officially urge the State to reconsider reinstating the Urban Forestry Renewal Program Grant.
 3. Status of Slide Presentation
 4. March 26, 1983 - Tree Planting on Maintenance Slopes

Reconvene the Recreation and Parks Commission meeting at _____ p.m.
- VIII. Committee Reports
 1. Youth Sports Council - Commissioner Williams
 2. Human Resources Commission - (Vacancy)
 3. Coordinating Council - Commissioner Dal Cerro
- IX. Reports of Commissioners
- X. Adjournment - To the next Regular Recreation and Parks Commission meeting on Tuesday, April 26, at 7:30 p.m. in the Employees' Lounge, Room 209.

APPENDIX 2

Memorandum

2

To : Foresters Working With CFIP Projects

Date: October 1, 1982

R22

Telephone: ATSS (492 ; 4104
()

From : Department of Forestry

Subject: 5500 CALIFORNIA FOREST IMPROVEMENT
PROGRAM ADMINISTRATION

The current depression in the timber industry has caused a decline in State Forest revenues and has resulted in curtailment of the CFIP grant program two years in succession. Funds available for grants for the 1982-83 fiscal year were depleted by mid-August of this year, largely due to a backlog of applications from the previous year with a total value of approximately \$900,000.

We are again developing a backlog of applications awaiting a new allocation of funds. The Department of Forestry has been accepting applications on a "first come, first served" basis and will continue to do so through November 1, 1982. Applications filed after this date will be subject to priority ranking under provisions outlined in Title 14, Section 1533 of the California Administrative Code (CAC) (CFIP regulations). CAC Section 1555 is currently being modified; however, until any changes have been approved and incorporated into the CAC, existing language in Section 1533 will prevail.

Further processing and approval of CFIP of grant applications is subject to appropriation by the Legislature, and the availability of funds which is expected after July 1, 1983.



Audley C. Davidson
Program Manager - CFIP

nr

PLEASE RESPOND TO
SACRAMENTO ADDRESS
STATE CAPITOL
SACRAMENTO 95814
TEL (916) 445-9234

California Legislature

COMMITTEES: *4/12/83*
RULES
FINANCE INSURANCE AND
COMMERCE
TRANSPORTATION
POLICY RESEARCH
MANAGEMENT

DISTRICT OFFICE ADDRESS
EAST ROWLAND STREET
Covina CALIFORNIA 91723
TEL (213) 332-6271
(714) 599-6615



BILL LANCASTER
ASSEMBLYMAN, SIXTY-SECOND DISTRICT
VICE CHAIRMAN
ASSEMBLY RULES COMMITTEE

April 6, 1983

Herman Weskamp
3034 Larkwood
West Covina, Ca. 91791

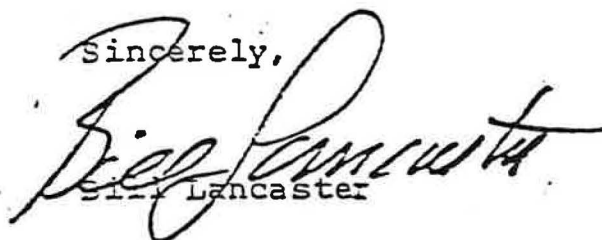
Dear Mr. Weskamp:

I have enclosed a copy of a letter from Jerry Partain,
Director of the Department of Forestry.

I regret to inform you that your grant money has been
denied and is not available as a result of actions
taken by the Department of Finance. Unfortunately,
your agreement did not have the required signatures
at the time of the Governor's spending freeze.

I appreciate your bringing this matter to my attention
and if you should have any further questions, please
do not hesitate to contact me at my District Office in
Covina.

Sincerely,


Bill Lancaster

BL:mdt

Encl:

DEPARTMENT OF FORESTRY

1416 NINTH STREET
SACRAMENTO, CALIFORNIA 95814 5565

(916) 322-0109



R 24

APR 4 1983

March 25, 1983

Handwritten note:
Held at Sacramento
to check on
with [unclear]

MAR 30 1983

Honorable Bill Lancaster
California State Assembly
State Capitol
Sacramento, CA 95814

Dear Assemblyman Lancaster:

We appreciate both your interest and concern over our inability to fund the \$20,000 Urban Forestry grant to Mount San Antonio College.

Their proposal to develop a tree inventory system, a recycling center, an urban tree nursery, and information packages for the cities of West Covina, Covina and La Puente is an excellent urban forest management project. It will be readily adapted to other cities and enable local government to improve their urban forests even though the funds available have been reduced.

As you are aware, contracts are not in force until signed by both parties and the Department of General Services and the Department of Finance. We had several agreements returned unapproved after the freeze.

While we normally would request an exemption due to the commitment made, we are unable to do so in this case. The Department of Finance has pulled back all the remaining money in the Renewable Resources Investment Fund and transferred it to the General Fund.

Unless the Urban Forestry Program is restored by the Legislature in the 1983-84 budget, we will be unable to fund the project even after the freeze is lifted.

If you have further questions or suggestions, please feel free to contact me.

Sincerely,
Jerry Packer
JERRY PACKER
Director

tb

cc: Judy Balmain

APPENDIX 3



Founded 1875

1319 Eighteenth Street NW Washington DC 20036 telephone (202) 467-5810

April 4, 1983

Honorable George Deukmejian
Governor of California
State Capital
Sacramento, CA 95814

Dear Sir:

I am writing to commend the State of California on its urban forestry programs. Your state has done an outstanding job in developing public involvement programs in urban forestry, designing State Urban Forestry Councils, and in bridging the gap between traditional forestry and urban vegetation management.

We at the American Forestry Association strongly believe that we can substantially improve the quality of life through urban forest management.

After closely following the progress of the last few years in California, I read with considerable disappointment about the proposed cuts in urban forestry funding within the State of California. We urge you to seriously consider the impacts of such cuts, realizing the impact that it would have, both on the many volunteer programs and on the professional guidance of urban forestry personnel. The benefits of your urban forestry efforts, both economically and socially, are very high when compared with their costs.

We look forward to continuing our cooperation with the many fine programs and people involved in urban and community forestry in the State of California.

Sincerely,

Gary Moll
Director of Urban Forestry

Memorandum

Forestry

To : Mr. Rex Grigg
Region VI

August 2, 1982

Attn: Eric Olson

21

ISS ()
()

WESKAMP

Region 6

ATTENTION *Eric Olson*

From : Department of Forestry

Subject: 5700 URBAN FORESTRY
Mt. SAC

Thanks for the opportunity to meet with the Mt. SAC group; you have a very ambitious group and I think your project will have some interesting results. We discussed many topics on Wednesday and I am sending some information that may help you.

- Hammer Hogs: Attached is a list from Forest Industries with names and addresses of firms selling chippers, hogs, and shredders.
- Air Pollution: Attached is information from ARB on rules and regulations affecting cogeneration facilities; there is some lessening of emissions standards for cogeneration facilities.
- Drying Rates: For manzanita cut in lake County, about two months ago, we found that material lost 30% of original weight in three weeks. Merv Pyorre in San Diego Ranger Unit may have a feeling for drying rates of chaparral.

If you have any questions or I can be of any other assistance, please call me at 492-0107.

Gary Brittner
Wood Energy Program

bw

cc: Merv Pyorre



APPENDIX 4

TREE INVENTORY TALLY SHEET

DATE _____
 CITY _____

SPECIES
 STREET
 LOCATION

QUADRON	SECTION	BLOCK #	GRADE	REMARKS:
SPECIES #				
TREE #				

D.B.H.	HEIGHT	SPREAD	AGE APPROX.	LIABILITY:

COND.	GOOD	FAIR	POOR	DYING	DEAD
MAINT.	REMOVE	REPLANT	SPRAY	FEED	PRUNING NEED

DISEASE	PRESENT	NOT PRESENT	TYPE:

PEST	YES	NO	TYPE:

HAZARD	IMMEDIATE	POTENTIAL	NONE	TYPE:

WORK TO BE DONE:

TREE CASUALTY AND EVALUATION REPORT

1	LOCATION OF TREE	Address		
		City, Town	State	Zip
	OWNER'S NAME			
2	NAME OF TREE	Common	Scientific	
3	DESCRIPTION OF CASUALTY <small>(lightning, accidental, auto, vandalism, drought, flood, freezing storm, etc.)</small>			
		4 Photo <input type="checkbox"/> yes <input type="checkbox"/> no	5 Casualty Date	
	REPLACEMENT COST ¹ (see attached) If tree can be replaced, enter cost and proceed to No. 30.	6		
7	CAN TREE BE REPAIRED <input type="checkbox"/> yes <input type="checkbox"/> no	explanation:		
	COST OF REPAIR (see attached)			8 \$
	PERCENTAGE OF LOSS AFTER REPAIR	IF 0% PROCEED TO NO. 30	9	%
	TOTAL LOSS AFTER REPAIR	No. 8 plus (No. 9 times No. 29 ²)		10 \$
	explanation:			

BASIC TREE VALUE BEFORE ADJUSTMENTS

11 Regional no.	12 Class no.	13 Class value	%
Diameter of trunk at breast height (4½ ft) ³			14 inches
Area of trunk at breast height			15 square inches
Basic tree value per square inch			16 \$
\$	times	sq. inches	17 \$
\$	times	%	18 \$

¹ For trees less than 12 inches in diameter, refer to GUIDE for formula
² Complete numbers 11 through 29 in order to get value of number 29
³ For multi-stemmed trees, refer to GUIDE for formula

URBAN WOOD WASTE RECOVERY CONFERENCE

Evaluation

Please fill this out and turn in at the end of the day, or send to:

Linda Morse
ABAG
Hotel Claremont
Berkeley, CA 94705

1. Content and value of conference

a. How would you rate the overall content of the conference?

1	2	3
Very Interesting	Interesting	Not interesting

b. Which sessions did you find most useful to you? _____

c. Were there speakers or presentations that you found particularly outstanding? _____

2. Slide show

a. Did you feel that the slide show would be a useful promotional tool for encouraging an understanding of urban wood waste recovery by California cities and counties?

1	2	3
Very Appropriate	Appropriate	Not Appropriate

b. Comments or suggestions on the slide show content or its future use. _____

3. Future conferences or workshops

a. What topics would you find helpful to focus on for future workshops?

Processing equipment
Sources of urban wood waste
Composting
Wood energy
Building material salvage
Financing projects
Other _____

LIMB OR TRUNK BREAKAGE

Number of Times Tree Group Ranked in Category

<u>Tree Group</u>	Rank*			
	1	2	3	4 or greater
Acacia	6	7	5	9
Ash	2	4	5	7
Brazilian Pepper	1	0	0	4
California Pepper	2	0	1	1
Coral Tree	2	2	0	3
Deodar Cedar	2	0	3	3
Elm	1	5	5	7
Eucalyptus	30	17	5	2
Ficus	2	6	0	8
Jacaranda	2	3	2	3
Magnolia	0	0	0	5
Oak	1	0	3	6
Palm	0	0	0	1
Pine	4	9	9	15
Silk Oak	1	0	1	11
Sycamore	1	0	5	10

*Rank

1 = highest percentage of trees with breakage in a landscape.

2 = second highest percentage of trees with breakage in a landscape.

3 = third highest percentage of trees with breakage in a landscape.

4 or greater = includes all other percentages lower than those ranked 3.

PROBLEMS THAT MADE TREES MORE PRONE TO FALLING OVER OR LEANING

Circling or Kinked Roots

Percent ‡

Sycamore	50	
Eucalypt.	17	
Pine	14	
D. Cedar	14	No
Acacia	14	
Ash	11	Significant
Elm	8	
Ficus	6	Differences
Oak	0	
Coral	0	
Jacaranda	0	
Silk Oak	0	
C. Pepper	0	
B. Pepper	0	

Root Rot or Oak Root Fungus

Percent ‡

Oak	50	
Silk Oak	33	
B. Pepper	29	
C. Pepper	<u>25</u>	**
D. Cedar	14	
Acacia	10	
Elm	8	
Eucalypt.	7	
Pine	6	
Ficus	6	
Ash	0	
Sycamore	0	
Coral	0	
Jacaranda	0	

Dense Top

Percent ‡

Jacaranda	50	
Pine	35	
Acacia	34	
Eucalypt.	34	No
Ash	33	
Elm	31	Significant
D. Cedar	29	
B. Pepper	29	Difference
Ficus	28	
Coral	25	
C. Pepper	25	
Oak	17	
Sycamore	0	
Silk Oak	0	

Large Percentage of Surface Roots

Percent ‡

Ficus	33	
Pine	29	
D. Cedar	29	
Eucalypt.	25	
Jacaranda	25	
C. Pepper	25	
Acacia	24	
Elm	23	
Ash	22	
B. Pepper	<u>14</u>	**
Oak	0	
Sycamore	0	
Coral	0	
Silk Oak	0	

Excessive Ground Moisture

Percent ‡

Coral	50	
Ash	33	
Silk Oak	33	
Jacaranda	25	
C. Pepper	25	
Elm	<u>23</u>	**
Oak	17	
B. Pepper	14	
Eucalypt.	12	
Ficus	11	
Acacia	7	
Pine	4	
Sycamore	0	
D. Cedar	0	

Too Old or Newly Planted

Percent ‡

Sycamore	50	
Silk Oak	33	
Coral	25	
Ficus	17	No
Oak	17	
D. Cedar	14	Significant
B. Pepper	14	
Pine	12	Difference
Acacia	10	
Elm	8	
Eucalypt.	5	
Ash	0	
Jacaranda	0	
C. Pepper	0	

‡ Percent of all problems for each species.

—*,** significantly different groups at 5% or 1% level on chi square.

CITY OF WEST COVINA

MAINTENANCE DEPARTMENT

APPROVED PARKWAY STREET TREE LIST

<u>Genus & Species</u>	<u>Common Name</u>	<u>Type of Tree</u>
<u>Parkway 2' Or Over</u>		
Callistemon lanceolatus	Lemon Bottlebrush	Evergreen
Callistemon viminalis	Bottlebrush	Evergreen
✓ Ficus microcarpa var. nitida	Indian Laurel Fig	Evergreen
✓ Lagerstromia indica	Crape Myrtle	Deciduous
✓ Photinia fraseri	Redleaf photinia	Evergreen
✓ Podocarpus macrophylla	Yew pine	Evergreen
Prunus cerasifera (Atropurpurea)	Purpleleaf plum	Deciduous
<u>Parkway 4' Or Over</u>		
✓ Alnus cordata	Italian Alder	Deciduous
✓ Cupaniopsis anacardioides	Carrot wood	Evergreen
✓ Friobotrya deflexa	Bronze Loquat	Evergreen
✓ Eucalyptus erythrocorys	Red Cap Eucalyptus	Evergreen
✓ Eucalyptus sideroxlyn 'rosea'	Pink Ironbark	Evergreen
✓ Jacaranda acutifolia	Jacaranda	Deciduous
Melaleuca linariifolia	Flaxleaf paperbark	Evergreen
Metrosideros excelsa	New Zealand Christmas tree	Evergreen
Pyrus kawakamii	Evergreen pear	Evergreen
✓ Quercus ilex	Holly Oak	Evergreen
<u>Parkway 6' Or Over</u>		
✓ Eraxinus uhdei "Tomlinson"	Tomlinson Ash	Evergreen
✓ Ginkgo biloba (Fastigiata male)	Maidenhair tree	Deciduous
✓ Liquidambar styracifua	American Sweetgum	Deciduous
Liquidambar stynaciflua "Palo Alto"	American Sweetgum	Deciduous
✓ Liriodendron tulipifera	Tulip tree	Deciduous
✓ Magnolia graniflora	"Majestic Beauty" Magnolia	Evergreen
✓ Magnolia graniflora	Southern magnolia	Evergreen
✓ Pinus canariensis	Canary Island Pine	Evergreen
✓ Brachychiton populneum	Bottle tree	Evergreen
✓ Tristania conferta	Brisbane box	Evergreen

TO : Recreation and Parks Commission

FROM : David J. Roger
Park Superintendent

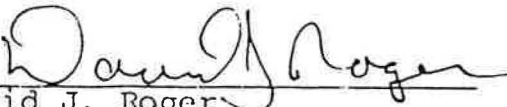
SUBJECT: APPROVED STREET TREE LIST

City of West Covina
Memorandum

December 7, 1983

At the regular Commission meeting on December 13, 1983, we will be reviewing the Street Tree Matrix and seeing slides on the various trees. Attached is the list of trees that staff is recommending for the approved list. We ask you to review this list at the December 13th meeting and make comments and recommendations. We will then go at a later date to Council with this and the other segments of our Urban Forestry Program for their approval.

Thank you.


David J. Roger
Park Superintendent

DJR:mm
Attachment

1)	<i>Acer macrophyllum</i>	Big leaf maple
2)	<i>Agonis flexuosa</i>	Australian willow myrtle
3)	<i>Albizzia julibrissin</i>	Silk tree
4)	<i>Alnus cordata</i>	Italian alder
5)	<i>Bauhinia variegata</i>	Orchid tree
6)	<i>Betula nigra</i>	Red river birch
7)	<i>Brachychiton discolor</i>	Victorian flame tree
8)	<i>Brachychiton acerifolius</i>	Black kurrajong
9)	<i>Callistemon viminalis</i>	Weeping bottlebrush
10)	<i>Cedrus deodara</i>	Deodar cedar
11)	<i>Ceratonia siliqua</i>	Carob
12)	<i>Cercis canadensis</i>	Eastern redbud
13)	<i>Cercis canadensis "Oklahoma"</i>	Oklahoma redbud
14)	<i>Chionanthus retusus</i>	Fringe tree
15)	<i>Cinnamomum camphora</i>	Camphor tree
16)	<i>Crinodendron patagua</i>	Lily of the Valley
17)	<i>Cupaniopsis anacardioides</i>	Carrotwood
18)	<i>Eucalyptus ficifolia</i>	Scarlet flowered gum
19)	<i>Eucalyptus nicholii</i>	Nicholi eucalyptus
20)	<i>Eucalyptus rudis</i>	Desert gum
21)	<i>Eucalyptus torquata</i>	Coral gum
22)	<i>Fraxinus oxycarpa "Raywoodi"</i>	Raywood ash
23)	<i>Fraxinus uhdei "Tomlinson"</i>	Tomlinson ash
24)	<i>Fraxinus velutina "Modesto"</i>	Modesto ash
25)	<i>Geijera parvifolia</i>	Australian willow
26)	<i>Ginkgo biloba</i>	Maiden hair tree
27)	<i>Gleditsia triacanthos inermis</i>	Thornless honey locust
28)	<i>Hymenosporum flavum</i>	Wedding tree
29)	<i>Jacaranda acutifolia</i>	Jacaranda
30)	<i>Koelreuteria bipinnata</i>	Chinese lantern tree
31)	<i>Lagerstromia indica</i>	Crape myrtle
32)	<i>Lagunaria patersonii</i>	NCN
33)	<i>Libocedrus decurrens</i>	Incense cedar
34)	<i>Liquidambar formosana</i>	Chinese sweet gum
35)	<i>Liquidambar styraciflua</i>	American sweet gum

36)	<i>Liquidambar orientalis</i>	Oriental sweet gum
37)	<i>Liriodendron tilipifera</i>	Tulip tree
38)	<i>Maytenus boaria</i>	Mayten tree
39)	<i>Melaleuca linariifolia</i>	Flaxleaf paperbark
40)	<i>Melaleuca quinquinervia</i>	Cajeput tree
41)	<i>Metasegouia glyptostroboides</i>	Dawn redwood
42)	<i>Olmediellia betschleriana</i>	Guatamalan Holly
43)	<i>Pinus canariensis</i>	Canary island pine
44)	<i>Pinus eldarica</i>	Mondel pine
45)	<i>Pinus patula</i>	Mexican pine
46)	<i>Pinus sabiniana</i>	Digger pine
47)	<i>Pinus torreyana</i>	Torrey pine
48)	<i>Pistachia chinensis</i>	Chinese pistach tree
49)	<i>Platanus acerifolia</i>	London plane tree
50)	<i>Platanus acerifolia</i> "yarwoodi"	Yarwood sycamore
51)	<i>Pyrus calleryana</i> Bradford	Bradford flowering pear
52)	<i>Quercus agrifolia</i>	Coast live oak
53)	<i>Quercus borealis</i>	Red oak
54)	<i>Quercus ilex</i>	Holly oak
55)	<i>Quercus kelloggii</i>	Black oak
56)	<i>Quercus lobata</i>	Valley oak
57)	<i>Quercus suber</i>	Cork oak
58)	<i>Quercus virginiana</i>	Southern live oak
59)	<i>Robinia idahoensis</i>	Idaho locust
60)	<i>Stenocarpus sinuatus</i>	Firewheel tree
61)	<i>Sophora japonica</i>	Japanese pagoda tree
62)	<i>Taxodium distichum</i>	Bald cypress
63)	<i>Tipuana Tipu</i>	Tipu tree
64)	<i>Tristania conferta</i>	Brisbane box
65)	<i>Zelkova serrata</i>	Sawtooth zelkova

CITY OF WEST COVINA

MAINTENANCE DEPARTMENT

APPROVED PARKWAY STREET TREE LIST

<u>Genus & Species</u>	<u>Common Name</u>	<u>Type of Tree</u>
<u>Parkway 2' Or Over</u>		
Callistemon lanceolatus	Lemon Bottlebrush	Evergreen
Callistemon viminalis	Bottlebrush	Evergreen
✓ Ficus microcarpa var. nitida	Indian Laurel Fig	Evergreen
✓ Lagerstromia indica	Crape Myrtle	Deciduous
✓ Photinia fraseri	Redleaf photinia	Evergreen
✓ Podocarpus macrophylla	Yew pine	Evergreen
Prunus cerasifera (Atropurpurea)	Purpleleaf plum	Deciduous
<u>Parkway 4' Or Over</u>		
✓ Alnus cordata	Italian Alder	Deciduous
✓ Cupaniopsis anacardioides	Carrot wood	Evergreen
✓ Friobotrya deflexa	Bronze Loquat	Evergreen
✓ Eucalyptus erythrocorys	Red Cap Eucalyptus	Evergreen
✓ Eucalyptus sideroxlyn 'rosea'	Pink Ironbark	Evergreen
✓ Jacaranda acutifolia	Jacaranda	Deciduous
Melaleuca linariifolia	Flaxleaf paperbark	Evergreen
Metrosideros excelsa	New Zealand Christmas tree	Evergreen
Pyrus kawakamii	Evergreen pear	Evergreen
✓ Quercus ilex	Holly Oak	Evergreen
<u>Parkway 6' Or Over</u>		
✓ Fraxinus uhdei "Tomlinson"	Tomlinson Ash	Evergreen
✓ Ginkgo biloba (Fastigiata male)	Maidenhair tree	Deciduous
✓ Liquidambar styracifua	American Sweetgum	Deciduous
Liquidambar stynaciflua	"Palo Alto" American Sweetgum	Deciduous
✓ Liriodendron tulipifera	Tulip tree	Deciduous
✓ Magnolia graniflora	"Majestic Beauty" Magnolia	Evergreen
✓ Magnolia graniflora	Southern magnolia	Evergreen
✓ Pinus canariensis	Canary Island Pine	Evergreen
✓ Brachychiton populneum	Bottle tree	Evergreen
✓ Tristania conferta	Brisbane box	Evergreen

APPENDIX 5

General Information

Purpose of Course

This is a Basic Seminar designed to offer practical information that can be utilized by members of the various segments of the Environmental Horticulture industry. It is our desire to have this educational information help an ever-growing consumer audience.

Cost

A fee of \$15.00 per person will be charged. Educational certificates will be issued to those requesting them. Fees are used to defray expenses for building rental, printing, certificates, refreshments, and other related seminar expenses.

Registration and Certification

If you pre-register, the cost is \$ 15.00 per person. To pre-register, mail in the attached form by October 7, 1983. You will receive a written confirmation through the mail. If you register at the door on October 27, 1983, the cost will be \$20.00 per person. Some PCA credits will be offered.

Location and Parking

University Theatre, University of California, Riverside Parking: You should park in Lot 30 (no charge) and walk east to the University Theatre. If Lot 30 is full, you can go to any visitor's parking lot and purchase a parking permit with two quarters.

Send Registration Form and Check to:

Horticulture Education Fund
c/o California Dept. of Forestry
P.O. Box 1067
Riverside, CA 92502

Make checks payable to:
Horticulture Education Fund

If you have any questions,
please phone 714/781-4162.

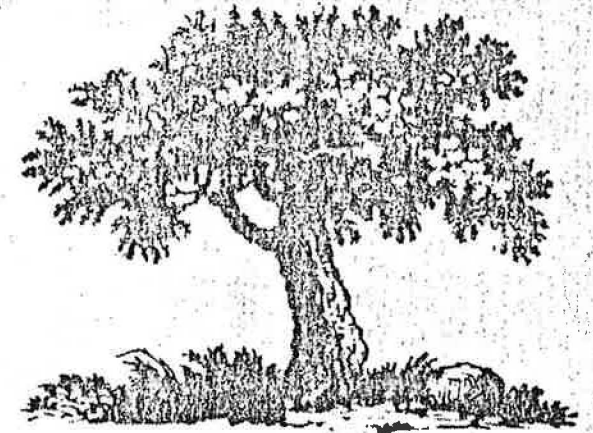
Morning Program

Moderator

Dennis Pittenger

U.C. Cooperative Extension, Riverside

- 8:15 **Registration**
- 8:45 **The Importance of Tree Health Management** — Denice Lobel, U.C. Cooperative Extension, Berkeley
- 9:05 **Tree Care to Withstand Stress** — Dick Harris, U.C. Davis
- 9:50 **How to Kill a Tree** — Ted Stamen, U.C. Cooperative Extension, Riverside
- 10:20 **Break**
- 10:40 **Anticipating and Handling Tree Risk Hazards** — Dr. Fred Roth, California State Polytechnic University, Pomona
- 11:10 **Stress Related Insect Pests** — Dr. Lee Brown, U.C. Riverside
- 11:40 **Questions**
- 11:50 **Lunch**

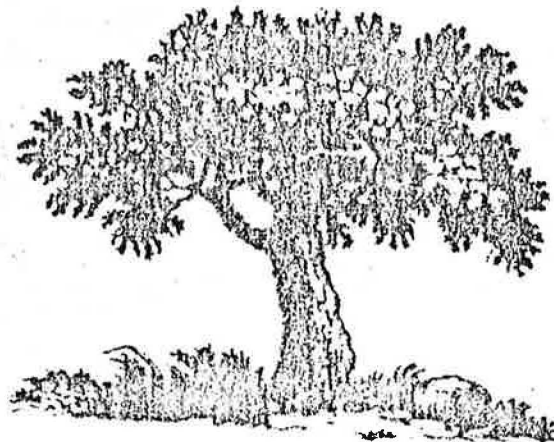


Afternoon Program

Moderator

Sam Knapp, Knapp's Tree Service,
Jesse Rios, California Department of Forestry

- 1:00 **How to Use Native Plants** — Peggy Sears McLaughlin, California State Polytechnic University, Pomona
- 1:30 **Inventoring Tree Plantings** — Herm Weskamp, Mt. San Antonio College, Pomona
- 2:00 **Break**
- 2:15 **Common Tree Insects and Their Control** — Dr. Carl Koehler, U.C. Cooperative Extension, Berkeley
- 2:45 **Tree Selection to Avoid Problems** — Kenneth Dyer, Superintendent of Parks, Redondo Beach
- 3:30 **Questions**
- 3:45 **Presentation of Certificates**
- 4:00 **The End. Thank You**



TRI-CITY URBAN FORESTRY

TREE MANAGEMENT SYSTEM



URBAN TREE MANAGEMENT USING COMPUTERS

This is part of a program that Mt. San Antonio Community College has sponsored along with the Tri-City Urban Forestry Council with the support and assistance of the California Department of Forestry, Los Angeles County Foresters, U.S. Forest Service, and other agencies to increase the value and enjoyment, the efficiency and utilization of the natural resources and the material produced by Urban Forest activities.

Tri-City Urban Forest Council

West Covina
Dave Rodgers
Beatrice H. de Urbie

La Puente
Rick Hartman
Frank Ruiz

Covina
Charles Colver
Del Dewhirst

Mt. San Antonio College
Herman Weskamp
Charles Hewitt

Computer Technician
Mike Javert

With assistance and work from Mt. San Antonio College Agriculture student volunteers, advisory councils from each of the cities, the City Councils, and the Board of Trustees.

TREE MANAGEMENT SYSTEM

What is TMS?

Tree Management System, or TMS, was developed at Mt. San Antonio College in conjunction with Tri-cities (Covina, West Covina, La Puente) located in the San Gabriel Valley. It is, in essence, a computerized application using a data base management system that is designed for the manager or supervisor in a city to keep a history on every tree in that city.. From this history, many things may be learned about the size, growth, maintenance needs, and species adaptability of a particular tree in each city.

How Does TMS Work?

TMS is a "menu driven" system that anyone can learn to use. Menu-driven simply means the computer will guide you through every step of adding, deleting, or extracting information on any address in your city. The reports, such as work schedules for a particular block or quadrate, are very easy to use and is done entirely by the computer. All that is needed is to indicate the scope of the report and the computer will generate information on every address within that area.

How Will TMS Help You?

TMS currently consists of five menus with a variety of functions and reports to choose from:

1. **Main Menu**
This allows the setting of the current date, adding and deleting records, retrieving and storing tree history, and access to all report menus.
2. **Block Report Menu**
This gives you access to a particular block you may wish to schedule for work. The menu allows you to check for:
 - a. Condition
 - b. Maintenance needs
 - c. Spraying needs
 - d. Hazards
 - e. Height
 - f. Age
3. **Quadrat Report (Tree Count)**
This menu will give you a tree count by species based on the above six parameters. It will allow you to have an accurate account of a particular problem by species in a certain area of the city so you can act accordingly.
4. **City Menu (Tree Count)**
Is the same as the quadrat menu but encompasses the entire city. You may use this menu to do your yearly budget.
5. **Species Report Menu**
This menu allows you to pinpoint the exact location of a particular problem by species anywhere in the city. You may want to use this menu in conjunction with a tree planting and removal program.

What If TMS Doesn't Have All That You Need?

The TMS staff is always looking for new and better ways to improve its system. If there is something you don't see that you would like to have added to your system, let us know and we will customize it to your specifications. Furthermore, the TMS staff will be coming out with periodic enhancements that will help you manage the trees in your location.

Current programs under development are:

1. Insect control
2. Disease control
3. Tree selection
4. Annual budget
5. Work order printer

What If You Would Like to Develop a TMS System on Your Mainframe Computer?

The TMS staff will also do consulting work to help cities develop a customized tree management system in your location. This service will also include updates on what new developments have been made to our tree management system.

For further information about our tree management system you may contact us at:

Mt. San Antonio College
1100 North Grand Avenue
Walnut, CA 91789
Attn: Agricultural Department
714—594—5611, Ext. 896 or 540

STREET TREE		CONDITION REPORT FOR							DATE
NUMBER	NO.	SPECIES	DBH	HT	SPD	AGE	COND	DATE	
16803	1	JACARANDA ACUTIFOLIA/JACARANDA	12	30	27	30	GOOD	1/03/83	
16804	1	JACARANDA ACUTIFOLIA/JACARANDA	12	23	20	30	GOOD	1/03/83	
16809	1	JACARANDA ACUTIFOLIA/JACARANDA	9	22	18	30	GOOD	1/03/83	
16814	1	JACARANDA ACUTIFOLIA/JACARANDA	13	35	33	28	GOOD	1/03/83	
16817	1	JACARANDA ACUTIFOLIA/JACARANDA	10	23	26	30	GOOD	1/03/83	
16833	1	JACARANDA ACUTIFOLIA/JACARANDA	11	30	24	30	GOOD	1/03/83	
16842	1	NO TREE	0	0	0	0		1/03/83	
16843	1	JACARANDA ACUTIFOLIA/JACARANDA	12	32	25	30	GOOD	1/03/83	
16849	1	NO TREE	0	0	0	0		1/03/83	
16850	1	JACARANDA ACUTIFOLIA/JACARANDA	13	25	14	28	GOOD	1/03/83	

STREET TREE		MAINTENANCE REPORT FOR							DATE
NUMBER	NO.	SPECIES	DBH	HT	SPD	AGE	COND	MAINTENANCE	DATE
16803	1	JACARANDA ACUTIFOLIA/JACARANDA	12	30	27	30	GOOD		1/03/83
16804	1	JACARANDA ACUTIFOLIA/JACARANDA	12	23	20	30	GOOD		1/03/83
16809	1	JACARANDA ACUTIFOLIA/JACARANDA	9	22	18	30	GOOD	PRUNING	1/03/83
16814	1	JACARANDA ACUTIFOLIA/JACARANDA	13	35	33	28	GOOD		1/03/83
16817	1	JACARANDA ACUTIFOLIA/JACARANDA	10	23	26	30	GOOD		1/03/83
16833	1	JACARANDA ACUTIFOLIA/JACARANDA	11	30	24	30	GOOD		1/03/83
16842	1	NO TREE	0	0	0	0			1/03/83
16843	1	JACARANDA ACUTIFOLIA/JACARANDA	12	32	25	30	GOOD	STUMP	1/03/83
16849	1	NO TREE	0	0	0	0			1/03/83
16850	1	JACARANDA ACUTIFOLIA/JACARANDA	13	25	14	28	GOOD		1/03/83

STREET TREE		HAZARD REPORT FOR							DATE
NUMBER	NO.	SPECIES	DBH	HT	SPD	AGE	COND	HAZARD	DATE
16803	1	JACARANDA ACUTIFOLIA/JACARANDA	12	30	27	30	GOOD		1/03/83
16804	1	JACARANDA ACUTIFOLIA/JACARANDA	12	23	20	30	GOOD		1/03/83
16809	1	JACARANDA ACUTIFOLIA/JACARANDA	9	22	18	30	GOOD		1/03/83
16814	1	JACARANDA ACUTIFOLIA/JACARANDA	13	35	33	28	GOOD	WIPES	1/03/83
16817	1	JACARANDA ACUTIFOLIA/JACARANDA	10	23	26	30	GOOD		1/03/83
16833	1	JACARANDA ACUTIFOLIA/JACARANDA	11	30	24	30	GOOD		1/03/83
16842	1	NO TREE	0	0	0	0			1/03/83
16843	1	JACARANDA ACUTIFOLIA/JACARANDA	12	32	25	30	GOOD		1/03/83
16849	1	NO TREE	0	0	0	0			1/03/83
16850	1	JACARANDA ACUTIFOLIA/JACARANDA	13	25	14	28	GOOD		1/03/83

STREET TREE		HEIGHT REPORT FOR							DATE
NUMBER	NO.	SPECIES	DBH	HT	SPD	AGE	COND	HAZARD	DATE
16803	1	JACARANDA ACUTIFOLIA/JACARANDA	12	30	27	30	GOOD		1/03/83
16804	1	JACARANDA ACUTIFOLIA/JACARANDA	12	23	20	30	GOOD		1/03/83
16809	1	JACARANDA ACUTIFOLIA/JACARANDA	9	22	18	30	GOOD		1/03/83
16814	1	JACARANDA ACUTIFOLIA/JACARANDA	13	35	33	28	GOOD	WIPES	1/03/83
16817	1	JACARANDA ACUTIFOLIA/JACARANDA	10	23	26	30	GOOD		1/03/83
16833	1	JACARANDA ACUTIFOLIA/JACARANDA	11	30	24	30	GOOD		1/03/83
16843	1	JACARANDA ACUTIFOLIA/JACARANDA	12	32	25	30	GOOD		1/03/83
16850	1	JACARANDA ACUTIFOLIA/JACARANDA	13	25	14	28	GOOD		1/03/83
16871	1	JACARANDA ACUTIFOLIA/JACARANDA	6	16	12	12	GOOD		1/03/83
16884	1	JACARANDA ACUTIFOLIA/JACARANDA	13	23	15	30	GOOD		1/03/83
16884	1	JACARANDA ACUTIFOLIA/JACARANDA	13	23	15	30	GOOD		1/03/83
16884	1	JACARANDA ACUTIFOLIA/JACARANDA	13	23	15	30	GOOD		1/03/83
16890	1	NO TREE	0	0	0	0			1/03/83
16897	1	JACARANDA ACUTIFOLIA/JACARANDA	13	35	21	30	GOOD		1/03/83

STREET TREE		AGE REPORT FOR							DATE
NUMBER	NO.	SPECIES	DBH	HT	SPD	AGE	COND	HAZARD	DATE
16803	1	JACARANDA ACUTIFOLIA/JACARANDA	12	30	27	30	GOOD		1/03/83
16804	1	JACARANDA ACUTIFOLIA/JACARANDA	12	23	20	30	GOOD		1/03/83
16809	1	JACARANDA ACUTIFOLIA/JACARANDA	9	22	18	30	GOOD		1/03/83
16814	1	JACARANDA ACUTIFOLIA/JACARANDA	13	35	33	28	GOOD	WIPES	1/03/83
16817	1	JACARANDA ACUTIFOLIA/JACARANDA	10	23	26	30	GOOD		1/03/83
16833	1	JACARANDA ACUTIFOLIA/JACARANDA	11	30	24	30	GOOD		1/03/83
16843	1	JACARANDA ACUTIFOLIA/JACARANDA	12	32	25	30	GOOD		1/03/83
16850	1	JACARANDA ACUTIFOLIA/JACARANDA	13	25	14	28	GOOD		1/03/83
16871	1	JACARANDA ACUTIFOLIA/JACARANDA	6	16	12	12	GOOD		1/03/83
16884	1	JACARANDA ACUTIFOLIA/JACARANDA	13	23	15	30	GOOD		1/03/83
16884	1	JACARANDA ACUTIFOLIA/JACARANDA	13	23	15	30	GOOD		1/03/83
16890	1	JACARANDA ACUTIFOLIA/JACARANDA	13	40	36	30	FAIR	WIPES	1/03/83
16897	1	NO TREE	0	0	0	0			1/03/83

APPENDIX 6

URBAN FORESTRY COMES TO WEST COVINA

SATURDAY

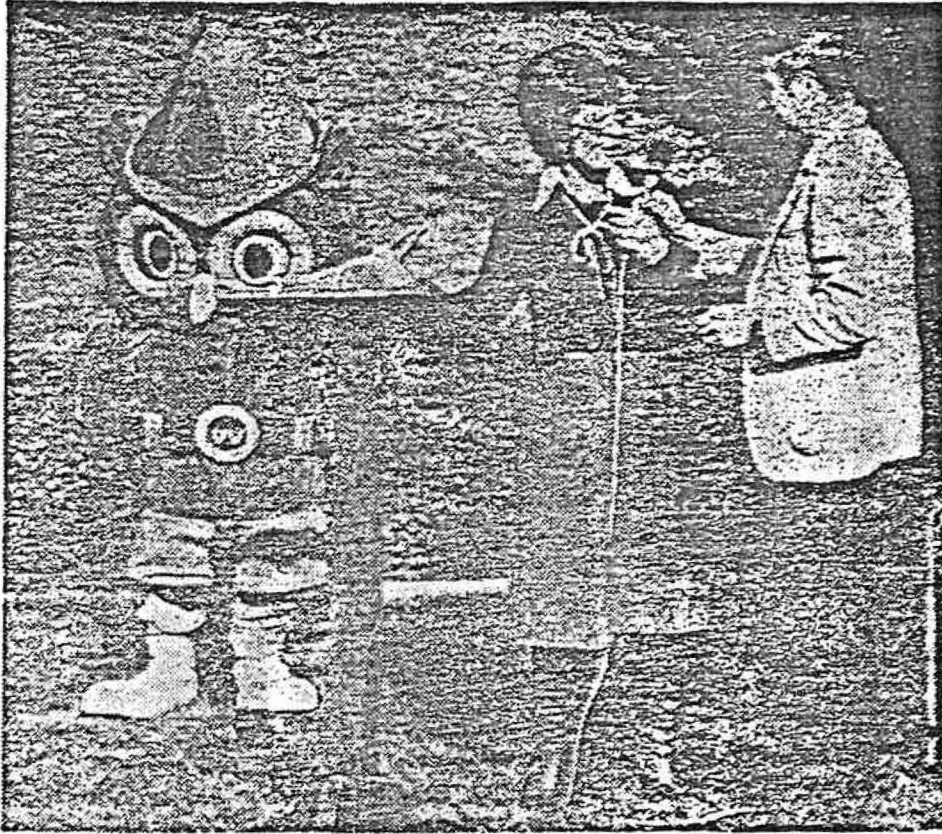
DECEMBER 11, 1982

10:00 A.M.

CIVIC CENTER PLAZA

A G E N D A

WELCOME	Mayor Tice
THE URBAN FORESTRY PROGRAM	Chairman Reynolds
INTRODUCTIONS	Chairman Reynolds
West Covina City Council	
West Covina Recreation and Parks Commission	
Urban Forestry Tri-City Executive Council	
Southern California Forester	
Los Angeles County Forester	
INTRODUCTION OF VOLUNTEER PLANTERS	Bea d'Uribe
PLANTING CEREMONY - Speciman Coulter	Mayor, Chairman Reynolds, Bea, Commissioners
CLOSING REMARKS	Chairman Reynolds
SLOPE PLANTING	Commissioners Dal Cerro, Williams, Bradnax and Messman
Tree Distribution	
Shovel Distribution	



URBAN FORESTRY — A tree-planting ceremony honored hard-working volunteers who planted 135 young trees and seedlings on the slopes of West Covina Civic Center. Bea De Uribe, president of

West Covina Beautiful, introduced Louis Reynolds, recreation and parks commissioner, who gave a speech to service club representatives. Woodsey Owl was also present to cheer on the workers.

Seedlings Planted at Center

More than 135 young trees and seedlings were recently planted on the slopes of the West Covina Civic Center by citizen volunteers through the Tri-City Urban Forestry Program.

Service clubs and civic groups that volunteered to plant included Cub Scouts, Key Club members, Future

Farmers of America, Mt. San Antonio Forestry Club and the Kiwanis Club.

Also present were West Covina Mayor Herb Tice, City Councilman Robert Bacon, and representatives from the Tri-City Urban Forestry Renewal Council and Advisory Committees, MSAC Department of Agri-

culture, Los Angeles Fire Department and State Department of Forestry.

The Urban Forestry mascot, Woodsey Owl, also showed up to cheer the workers on.

The trees were provided by MSAC and the Los Angeles County forester and fire warden.

West Covina Launches Tree Program Stressing Planting and Recycling

lose to 2,000 young trees will be planted on the city's maintenance district slopes in the coming weeks as a far-reaching urban forestry program that will not only beautify the city but also open up a previously untapped source of revenue from tree recycling.

The public saw the beginnings of the program in December when a group of city and civic leaders took part in a Saturday ceremony to plant 135 young trees and seedlings at a civic center to replace trees lost to disease and age.

Gift Trees

The new trees were provided by San Antonio College and the County of Los Angeles Dept. of Forest and Fire Warden. Mayor Robert Tice and a score of city officials, commissioners, representatives from the Boy Scouts, Future Teachers, West Covina Beautiful, and other groups took part.

David Roger, the city's park superintendent, told the Chronicle that the December program was

the first of its kind and that it was the beginning of the Urban Forestry Program for the East San Gabriel Valley.

The principles of urban forestry are much the same as those of non-city forestry, Roger said.

'Urban Forestry'

"Urban Forestry," he declared, "is a management plan for a city's street trees. It includes inventory, maintenance, and replacement with appropriate trees. It applies forestry technique to an urban setting."

"In the heavy November storms," he added, "we lost every tree on the block in some areas. If we had some younger trees on those streets, the losses would have been limited only to the old ones."

Planting, Roger believes, is essential. He foresees much more planting than tree removal in West Covina's future.

And the new trees will be varieties that can survive well here. Roger has a list of more than 40

kinds of trees that would do well in West Covina.

Root Damage

Old trees are not problems only in storms. Because some species do severe damage to gutters, curbs, and sidewalks, they require replacement with younger trees before their dangerous or destructive period begins.

Thus, says Roger, a well-planned tree system in the city would, like one in the country, have trees of varying sizes and ages.

Roger believes the trees can more than pay their own way. Tree recycling, or the sale of wood chips and other "bio mass" harvested from tree and limb removal, can bring revenue to the city, he says.

He points out that large industries already buy wood by-products for the generation of electricity. The city could sell the wood chips and waste it now must pay to dump.

Valuable Sale Items

Also valuable for sale are "bio mass" products that agricultural

suppliers use to produce mulch.

"Instead of paying fees to dump, we could sell this material at a profit," Roger declares.

The first step in the city's tree program has already been taken, he added. A city-wide inventory has been made of the types and conditions of trees. The information will be fed into the city's computers.

"When that data is ready, we'll know what we must do," Roger added. "We'll need and want public understanding and support for the new urban forestry program."

Roger said he is working on a master plan for the forestry program. The computerized results of the city-wide inventory will play a large role in the formulation of those plans.

Plan by June

He hopes to have the master plan ready by the end of June so that it can be reviewed and approved by city commissioners and council members.

But he is also preparing a pre-

view of the tree program in the form of a slide presentation which he will present to recreation and park commissioners and, later, to the city council for approval of the concept.

Since the city's officials responded so enthusiastically to the December program when the forestry plans were unveiled, Roger's vision of thousands of new trees in West Covina is sure to be realized.

City's Earnings

How much can the city earn from the wood by-products it sells?

That's hard to predict right now, Roger replies. But, no matter how much it brings in, that will be a distinct improvement in cash flow over paying to cart it all away as at present.

As in other programs, West Covina will again be a leader, this time for recovering money from its old trees, in recycling wood and biomass by-products.

Just call it street and treasury beautification.

West Covina Chronicle

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EDITION

FRIDAY, FEBRUARY 18, 1983

Vol. 3, No. 47

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50,000
READERS

FLAG RAISING CEREMONY

You are cordially invited to a flag raising ceremony to celebrate the City of West Covina's honor of being named as a "Tree City U.S.A."

DATE: Saturday, May 14, 1983

TIME: 10:00 A.M.

PLACE: West Covina Civic Center by the Flag Poles

TREE CITY USA

A G E N D A

INTRODUCTIONS

Bea d'Uribe, President
West Covina Beautiful

TREE CITY U.S.A.

Rex Griggs, Chief of Region 6
Dept. of Forestry

Eric Oldar
Urban Forester

FLAG RAISING CEREMONY

Robert Anderson
Edgewood High School Band

CLOSING REMARKS

Louis Reynolds, Chairman
Recreation & Parks Commission

On behalf of the Recreation and Parks Commission we hope that you can attend.

Louis H. Reynolds
Louis Reynolds, Chairman
Recreation & Parks
Commission

West Covina Named a 'Tree City U.S.A.'

West Covina has been named a "Tree City U.S.A." by the National Arbor Day Foundation, a Nebraska-based organization dedicated to encouraging tree care and tree planting.

West Covina becomes one of six cities in Southern California to receive this award following its inception seven years ago.

"We feel this is quite an accomplishment for our city and we hope that other cities in our area will follow our example," Mayor Herb Tice said.

Communities are recognized as a Tree City U.S.A. upon the recommendation of state foresters.

Cities must apply for the award and qualify by meeting the following standards: a city tree ordinance, a legal tree governing body, a comprehensive urban forestry program and an Arbor Day proclamation and public tree

planting ceremony.

"West Covina is currently working on a comprehensive urban forestry program which will encompass tree planting, pruning and removal of overgrown or diseased trees," the mayor said. "The city is also working on improving its tree ordinances to help preserve our trees."

Tree City U.S.A. commu-

nities receive a flag with the program's logo and a walnut-mounted plaque. Winners also receive Tree City U.S.A. community signs. Maple leaf stickers will indicate additional qualifying years.

"Community forestry is a very important municipal responsibility," said John Rosenow, National Arbor Day Foundation executive

director. "Trees provide beauty and countless practical benefits to our towns and cities.

"The Tree City U.S.A. designation demonstrates a commitment to carry out the hard work necessary each year to insure that the community will continue to enjoy the beauty of trees," he said.

West Covina Beautiful

Invites You to Our Annual

ARBOR DAY CELEBRATION

Sunday, March 6, 1983

2:00 P.M. -- Cortez Park

Senior Citizens Center

Greetings Beatrice H. de Uribe
President
The Honorable Herbert C. Tice
Mayor, City of West Covina

Presentation of Colors ... West Covina High School Color Guard

Pledge of Allegiance to the Emma E. Fischbeck
Flag of the United States of America Director

Invocation The Honorable Kenneth I. Chappell
Mayor Pro-Tem, City of West Covina

Tri-City Urban Forestry Renewal Program Louis Reynolds
Chairman, West Covina Recreation and Parks Commission

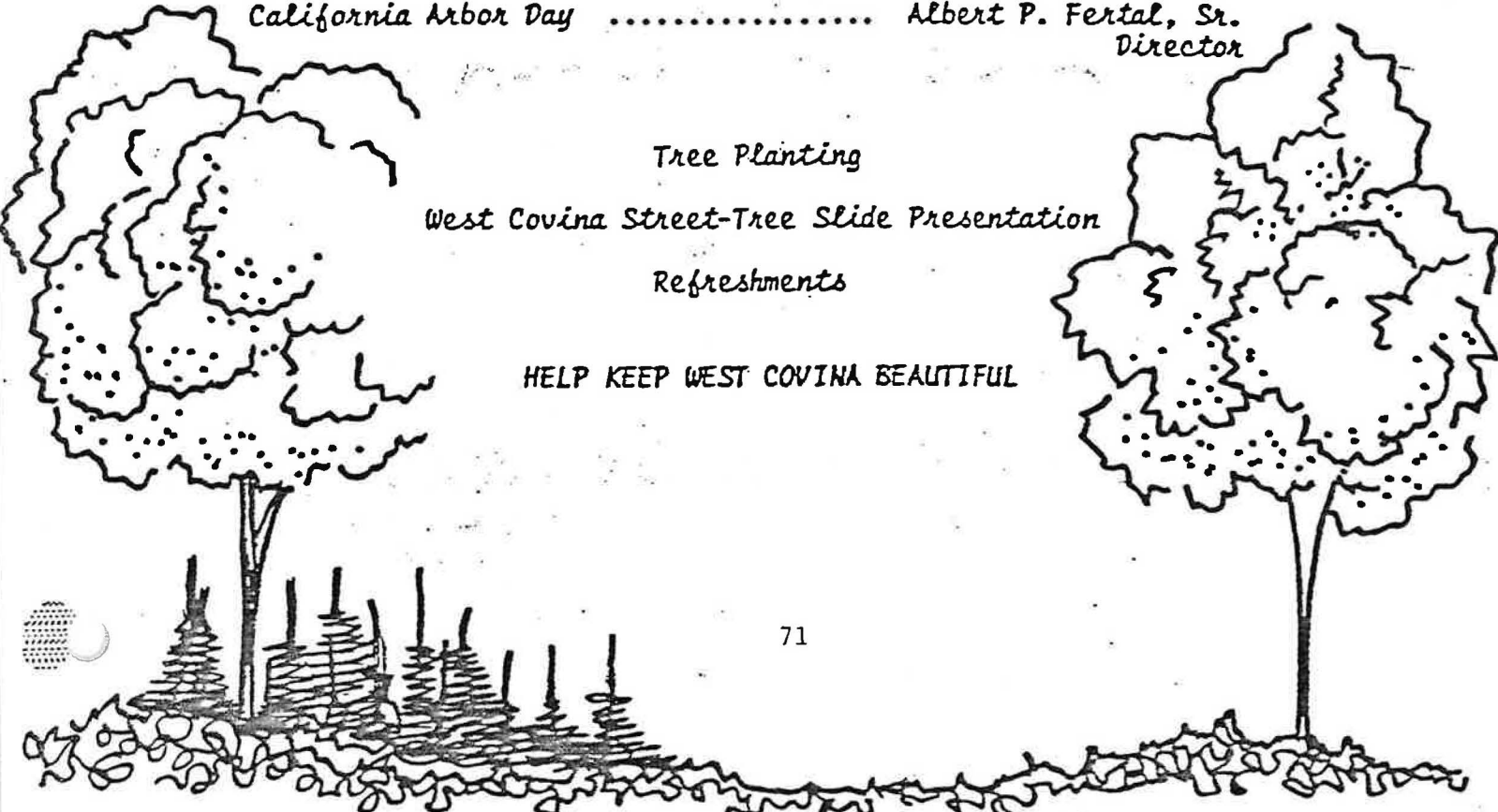
California Arbor Day Albert P. Fertal, Sr.
Director

Tree Planting

West Covina Street-Tree Slide Presentation

Refreshments

HELP KEEP WEST COVINA BEAUTIFUL



Hug a Tree on Arbor Day

West Covina Plans 26th Celebration Of City's Greenery

West Covina Beautiful will hold its annual Arbor Day celebration March 6, 2 p.m., at the Senior Citizens Center at Cortez Park.

The public is invited. Jacaranda and Tipu trees will be planted to augment the landscaping at the center, said Beatrice de Uribe, president of WCB.

Mayor Herb Tice and other officials will take part in the planting and welcome representatives of the Tri-City Urban Forestry Renewal Council who will present a cedar to the city.

Guests also will view a slide presentation by city Park Superintendent David Roger describing the city's street trees.

The street-tree program is part of the city's participation in the Urban Forestry program, which includes inventory, maintenance, removal when necessary, and recycling of wood by-products for energy production. Established at Mt. San Antonio College in Walnut by the California Department of Forestry, the program includes Covina and La Puente.

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JUST THE RIGHT SIZE — Kent Robinson of Armstrong Nursery in West Covina helps Emma Fischbeck of West Covina Beautiful select a tree for Cortez Park.

Staff Photo by Michael Goulding

HISTORY OF ARBOR DAY

Other Holidays Repose upon the Past, Arbor Day Proposes For the Future - J. Sterling Morton

Tree planting festivals are probably as old as civilization. In the United States, this "festival" is celebrated on Arbor Day. In other lands, it may be called Arbor Week, Tree Holiday, or Tree Festival. In Japan, it is called Greening Week. In Israel, where it is changing the entire face of the land, it is called the New Year's Day of the Trees. Korea has a Tree-Loving Week. Iceland has a Student's Afforestation Day. Yugoslavia holds an Arbor Day in the Spring and an Afforestation Day in the Fall. India celebrates a National Festival of Tree Planting.

The First Arbor Day in the United States was celebrated in Nebraska on April 10, 1872. By that time settlers had chopped down most of the trees in that state either for building their homes or for firewood. Still other trees had to be destroyed to clear the land for farming. You could wander for miles over the western plains with not a tree in sight. A Nebraska newspaperman and Commissioner of Agriculture, J. Sterling Morton, came up with the idea of Arbor Day as a method of correcting this sorry situation. The suggestion gained favor as he launched his "Campaign for tree planting" and inspired the "grand army of husbandmen" to do "battle against the timberless prairies" and over a million trees were planted in Nebraska that year. With observance of this first Arbor Day celebration, J. Sterling Morton became known in history as the father of Arbor Day. It was his inspiration, and that of the other dedicated conservationists, that was mainly responsible for the many city, county, state and federal laws enacted to protect and preserve our nation's trees.

In California, Arbor Day is observed on March 7. This date commemorates the birthday of Luther Burbank. Burbank, born March 7, 1849, was known best for his breeding work for improved varieties of flowers, fruits, grains, grasses, vegetables and trees. March 7 is also the opening day of Conservation Week, March 7-14, which has been observed since 1935. Arbor Day honors all trees, those of economic, aesthetic and environmental importance. Tree appreciation and conservation, tree knowledge, and scientific tree care, are closely associated with Arbor Day. Since the beginning of time, trees have been a friend of man.

- (1) Arbor Day ceremonies.
- (2) Educational Seminars to be held in your communities.
- (3) Tree planting projects.
- (4) Tree assessment and identification programs.
(Public and private property)
- (5) Recycling center for wood products.
- (6) Street tree maintenance and upkeep.
- (7) Removal and replacement programs.
- (8) Pest management.
- (9) Methods that can be developed to expand the program
to private property.

COME JOIN THE FUN!
PLANT A TREE TO
BEAUTIFY YOUR
COMMUNITY

MEET AT:

GINRICH PARK 9:00AM

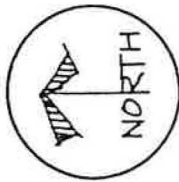
SAT. MARCH 26



BRING:
YOURSELF + A SHOVEL

SPONSORED BY
WEST COVINA & THE TRI-CITY URBAN FORESTRY COUNCIL

← TO LA 10 SAN BERNARDINO HWY



AZUSA

AMAR RD

NOGALES

SHADOW OAK DR

WOODGATE

GINRICH PARK

PLANTING AREA

VALLEY BLVD



CITY OF COVINA

125 EAST COLLEGE STREET • COVINA, CALIFORNIA 91723 • 331-0111

NOTICE

The City of Covina, in cooperation with Tri-Cities Urban Forestry Council, will be planting park-way trees as part of the City's beautification program. Please cooperate with the group.

Water may be needed from you for planting and you are requested to keep the tree watered until growth has been established.

If you have any questions that the crew cannot answer, please call City Operations, 331-0111.

This project is part of a Federal Jobs Bill in cooperation with Mt. San Antonio College, the California Department of Forestry, the Los Angeles County Foresters, and Fire Wardens.



BEAR HUG — Smokey the Bear and Dusty McGovern, a field representative for Assemblyman Bill Lancaster, embrace during tree planting ceremonies at Badillo Street between Glendora and Reeder avenues in Covina.

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SPRING SPRINGS IN COVINA

Newly Planted Trees Leaf Out

By **TIM HURLEY**
Staff Writer

Spring has sprung and so have the newly planted trees in a median strip of Badillo Street between Glendora and Reeder avenues in Covina.

The "liquidambar styraciflua" trees, planted two weeks ago by a group of citizens and directed by the Covina Urban Forestry Advisory Committee, have already begun to leaf out.

More than 50 five-and 15-gallon trees worth more than \$1,000 were planted in Arbor Day ceremonies. In addition to the liquidambar, Afghani, Canary Island and Japanese black pine were placed in the ground.

When the city constructed the 33,000 square-foot median, it could not afford to landscape because of budget restrictions. Thus Covina officials

planned to pave it over.

Bill Neal, chairman of the urban forestry committee, said his group got wind of the plan and offered to pay for and organize the landscaping.

The committee is one of three groups representing cities to the Tri-City Urban Forestry Renewal Council, a Mount San Antonio College pilot project designed to aid tree maintenance in West Covina, Covina and La Puente.

The state-funded council formed more than a year ago with the goals of educating the community in the concepts of urban forestry and developing a more efficient method of tree maintenance while saving city dollars.

The Tri-City program proposes not only to plant trees but to maintain a computerized inventory of city trees

from which to develop long-range management plans. Another aspect of the management plan will be to recycle trees as they need to be removed rather than hauling them to the nearest landfill.

Trees in the Arbor Day planting were contributed by the Forestry Division of the Los Angeles County Fire Department. Technical advice and the planting design was provided by the department's Paul Ripens, deputy forester.

Planters included students from Royal Oak High School and Mt. SAC, and representatives from the junior chapter of the Society of American Foresters, the East San Gabriel Valley Regional Occupation Program, the San Gabriel Valley Center of the California Conservation Corps and the San Gabriel Valley Newman Community.

City Hall
Telephone 330-4511

15900 Main Street
La Puente, California 91744



NOTICE

The City of La Puente, along with Mt. San Antonio College, has established an Urban Forestry Program. One aspect of the program is the planting of trees within the public right-of-way.

Through the College, the City has received funds under the Federal Jobs Bill enacted by President Reagan earlier this year for the planting of trees. Beginning in the week of August 1, 1983, students from the College will be planting trees within your neighborhood. The City respectfully requests that you allow the students to hook-up a hose for the watering of the trees during the planting process. Prior to any use of your water, the students will ask for your permission.

If you have any questions please feel free to contact the La Puente City Hall.

Thank you for your cooperation.

RICK HARTMANN
Director of Planning

APPENDIX 7

HOW TO GET PROJECT GROWING

Tri-City Forestry Project Gets \$20,000

By TOM HURLEY
Staff Writer

er a long struggle to
ut above ground, the
City Urban Forestry
Wal Council has been
ed it will receive the
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cials of the Mount San
onio College pilot
ect have been told by
state Department of
stry that they have
awarded a \$20,000

announcement comes
months after Tri-City
ials were told the
t had been canceled
to a spending freeze in
amento.

gran will help pay
program, salary and
ment needed to devel-
nd implement an effi-
method of tree main-
nce in the cities of
Covina, Covina, La
te and Walnut.
lier, the Tri-City coun-

cil had been awarded \$116,
000 from the state Depart-
ment of Forestry under the
federal jobs bill to employ
the jobless planting trees.
But that money, Tri-City
officials say, is only paying
for one aspect of urban
forestry.

Urban forestry, a little-
unknown science in the
western United States, is
the application of forest
management principles to
city areas. It is the mainte-
nance, planning, preserv-
ing and managing of vege-
tation in the city. Urban
forestry also includes the
concept of recycling trees
into usable energy.

The council had desper-
ately needed the \$20,000
grant to pull together all
aspects of urban forestry,
said Chuck Hewitt, a
MSAC forestry instructor
who is co-founder of the
project and now the Tri-
City fiscal officer.

"We've been going on
promises for close to three
years," said Hewitt, noting
the MSAC board of trustees
had committed \$12,000 to
the project, believing state
funds would be there.

Hence, Tri-City officials
— including co-founder and
Coordinator Herman Wes-

kamp, council Chairman
Dave Roger and Hewitt —
worked hard to get the
grant reinstated, and final-
ly succeeded after travel-
ing to Sacramento to speak
to the state Department of
Forestry director.

"The school (MSAC) had
already gone out on a
limb," Hewitt said. "We
stuck our necks out and
had to make them see how
serious we were."

Weskamp explained that
tree maintenance funding
these days often loses out
to other municipal projects
with city governments run-
ning low on money.

Thus, representatives
from West Covina, Covina
and La Puente joined in an

effort to combat the prob-
lem together. Walnut
joined later and, Weskamp
added, several other cities
are showing some interest.

The program is based at
MSAC where officials can
utilize the college's re-
sources such as manpower
(students), expertise and
computer facilities.

So far, Tri-City volunteers
have taken inventory of
every tree within the four
cities and the results will
soon be fed into a comput-
er.

Computer programs will
show how cities can save
money on tree mainte-
nance and improve the
quality of trees. Programs
will evaluate each city's

forest and identify the ages
of trees as well as potential
hazards they face.

The council will then de-
velop a list of tree species
best suited to the environ-
ment of each city. They
will take into account root
size, aesthetic value,
shade, and monetary value
when harvested.

An urban forestry nursery
is maintained by the coun-
cil on grounds at MSAC.

APPENDIX 8



MT. SAN ANTONIO
COMMUNITY COLLEGE DISTRICT

1100 NORTH GRAND AVENUE • WALNUT, CALIFORNIA 91789

Telephone: 714-594-5611

DR. JOHN D. RANDALL
District Superintendent
and President

BOARD OF TRUSTEES
ALFRED M. DIAZ
President
KENNETH L. HUNT
Vice-President
DR. GERALD J. ZUNINO
Secretary
HOWARD H. HAWKINS
MRS. FRANCES L. MASCHIO

April 3, 1981

Mr. Eric Oldar
California Department of Forestry
2524 Mulberry Street
Riverside, CA 92502

Dear Mr. Oldar:

We are pleased to submit to you three copies of our grant application under the auspices of the Urban Forestry Program (Forest Improvement Act, Chapter 1181, Part 2.5 of the California Public Resources Code).

We have appreciated the opportunity of working with you and the representatives of the cities of Covina, West Covina, and La Puente, and I feel confident that our relationship will continue to strengthen in the future.

The project, "Trees are for Everyone," is exciting and certainly will be beneficial to the community while increasing awareness and participation in urban forestry in an efficient manner.

Please contact us if you have any questions or need further information, and we will be happy to supply it in the detail which you require.

Sincerely,

John D. Reck, Asst. Dean
Research & Grant Development

s1

Enclosures

CALIFORNIA URBAN FORESTRY

GRANT PROGRAM

APPLICATION FORM
(Complete both sides)

APPLICANT

Name: Mt. San Antonio Community College District

Address: 1100 North Grand Avenue

Walnut, CA

(Zip Code) 91789

PERSON MAKING APPLICATION

Name: John D. Reck

Title: Asst. Dean, Research & Grant Development

PERSON WITH DAY-TO-DAY RESPONSIBILITY FOR THE PROJECT

Name: ~~Charles E. Hewitt~~ **CHARLES HEWITT PROJECT**, Coordinator, ~~Los Angeles Community College District~~

Phone: (714) 594-5611, Ext. 540

NAME OF PROJECT

Trees are For Everyone

PROJECT LOCATION (ENCLOSE MAP INDICATING PROJECT LOCATION) (1) 34,859

(2) 30,893

City: (1) Covina, (2) La Puente, (3) West Covina Population: (3) 79,256

Covina TOTAL 145,008

County Los Angeles

PROPOSED PROJECT DATES

Beginning date: January 1, 1982

Completion date: June 30, 1983

PROJECT FINANCIAL DATA

Estimated total cost: \$ 246,800

Cost share rate: (refer to Grant Guidelines) 90 %

Amount of grant request: \$ 159,000

Amount of matching contributions: \$ 87,800

The applicant certifies that it will comply with all applicable local, state, and federal laws and regulations.

Approved: John D. Randall

John D. Randall, Superintendent/President

4/2/81
Date

OVER

Applicant name: Mt. San Antonio Community College District

Please briefly describe your organization and your past experience in urban forestry. For non-profit groups also describe your purpose, membership, and source of funding.

Mt. San Antonio College has been providing vocational education in Horticulture and Forestry since 1949 and has a proven track record for successful programs. Our combined experience through our teaching staff, to be devoted to the project is over 50 years in Forestry and Horticulture.

The purpose of our proposal is to provide comprehensive urban forestry education and special project participation in this community. Our students come from the cities within our district and outlying areas where urban forestry programs are not offered. They will be extensively involved with local residents, local cities, civic and service organizations. The program will provide general education and training in tree production, selection, planting, maintenance and recycling waste products into wood chips and firewood involving a large number of local residents in at least three target cities.

Please provide a brief summary of your proposal that will adequately describe what you plan to do, how you will accomplish it, and how the community will be involved. YOUR SUMMARY MUST BE LIMITED TO SPACE PROVIDED.

Our project plans to establish for the cities of Covina, West Covina, and La Puente a useful urban tree maintenance program to include the assessment of existing trees, the establishment of a recommended species list, the development of a tree replacement program, a follow-up maintenance program for new trees and existing trees, and an innovative program for the use of waste materials.

Our first phase will be to establish for the city a list of existing tree species and their needs. We will then establish a timeline for the maintenance of these trees. Our second phase will be to establish a recycling center for wood chips and firewood. Our third phase will be to plan and organize community tree plants which will be accompanied by educational awareness seminars to provide information to the community on urban forestry. Some of these activities will be Arbor Day ceremonies, clean up and landscaping of open and blighted areas, and local town meetings. Our fourth phase will be to establish a tree growing nursery to provide the trees for the projects. The fifth and final step will be to establish, through professional and student labor, a managerial structure to insure the survival of the project.

The community will be involved by participating in our community tree planting and educational seminars. We will organize town meetings for the purpose of organizing beautification of blighted areas in the city and better awareness of urban forestry. Local government will also be involved in organizing maintenance and follow-up programs.

I. PROJECT DESCRIPTION

A. Objectives to be Met During Project Period

1. To increase awareness of the role, importance and benefits of urban forestry to community college students, college staff, and local residents.
2. To develop an economical and efficient system using students, staff, local governing bodies, and community organizations that provides training for identified needs for tree maintenance and upkeep.
3. To develop appropriate systems of tree selection, planting, and upkeep which will enable the initiation or improvement of regular tree maintenance and replacement programs with minimal resources.
4. To provide attractive and convenient channels through which local residents can become meaningfully involved in tree planting and open area improvement projects.
5. To innovate local programs for the use of tree wastes through recycling of wood chips and firewood.
6. To develop and operate a working tree nursery to produce trees for the project and provide a training site for career development.
7. To develop a working administrative organization and source of self-supporting revenue to insure program continuance after exhaustion of grant subsidization.

B. Project Performance Specifications

1. A large number of activities will be undertaken to increase awareness of the role, importance and benefits of urban forestry. Important activities include: centralized and decentralized (neighborhood) seminars and displays, presentations at local civic and service organizations, tours and field trips, ceremonies (e.g., Arbor Day), and participation in tree selection, planting and maintenance activities.

All available existing means of soliciting participation and disseminating information at the disposal of the College and the participating cities will be utilized.

2. To develop the cooperative network for education, training and program operation, an Executive Council for the project has been established and has held initial meetings. The present membership consists of Mt. San Antonio College's Coordinator of Agricultural Sciences, two agriculture instructors with experience in urban forestry, the Assistant Dean of Research and Grant Development, one representative from the Field Operations Department of each of the three participating cities, and an Urban Forester from the California State Department of Forestry.

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One specific Arbor Day activity will be held at the College. After demonstration and instruction, individuals will receive a tree to take back and plant at their home or school yard. We have found that this type of activity is very successful in stimulating the desire to conduct other related civic activities such as "Beautification" programs and certainly awareness and understandings improve.

5. The tree waste recycling component of the project will involve returning all wastes from the target areas to a site located on the Mt. San Antonio College farm. Firewood will be cut, split, stacked, and sold. The revenue generated from the sale of firewood will be used to offset operating costs of the entire project. The wood chips will be shredded and used to improve the soil at the College and city areas.

The wood chip operation will be monitored closely and when developed to a point where local projects can not use the product, it will be made available to local industry.

Among the outcomes of this project component, will be the development of innovative uses of tree waste materials that could lead to a new form of local industry and additional job opportunities. All of this will increase the awareness of the rewards and economy of recycling urban tree wastes. This is especially important because of the present practice of dumping most tree wastes at our overburdened landfills.

6. The College operates a nursery and has the necessary equipment and extensive experience in its operation. Although trees planted in early stages of the project would necessarily have to be acquired from other sources because of size considerations, new trees would be produced at the nursery for plantings later in the project period and for future continuance of the "Trees are for Everyone" program.

The nursery has the capacity to produce all plant materials needed for the community projects. Simultaneously students will be gaining additional experience which will prepare them for careers in the large California nursery industry and provide an expanded base for service in the field of urban forestry.

7. We anticipate that urban forestry will grow as a strong and well-known curriculum at the College. The program as outlined in this project will continue so long as there is a demand for personnel trained in urban forestry. Some additional revenue may be derived from the tree waste recycling component of the project. As a community college, our efforts are primarily community oriented. We are very skilled in the process of obtaining community involvement and especially in the field of urban forestry. We would continue to use the community as our laboratory. We would continue to couple community participation with instruction and to the extent possible plant and maintain trees in nearby areas as a part of the instructional programs.

From the College's point of view, this project would provide a vehicle through which students can be trained to become qualified tree maintenance persons and this is also an important part of the California Department of Forestry's Urban Forestry Program.

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5. The tree waste recycling component of the project will involve returning all wastes from the target areas to a site located on the Mt. San Antonio College farm. Firewood will be cut, split, stacked, and sold. The revenue generated from the sale of firewood will be used to offset operating costs of the entire project. The wood chips will be shredded and used to improve the soil at the College and city areas.

The wood chip operation will be monitored closely and when developed to a point where local projects can not use the product, it will be made available to local industry.

Among the outcomes of this project component, will be the development of innovative uses of tree waste materials that could lead to a new form of local industry and additional job opportunities. All of this will increase the awareness of the rewards and economy of recycling urban tree wastes. This is especially important because of the present practice of dumping most tree wastes at our overburdened landfills.

6. The College operates a nursery and has the necessary equipment and extensive experience in its operation. Although trees planted in early stages of the project would necessarily have to be acquired from other sources because of size considerations, new trees would be produced at the nursery for plantings later in the project period and for future continuance of the "Trees are for Everyone" program.

The nursery has the capacity to produce all plant materials needed for the community projects. Simultaneously students will be gaining additional experience which will prepare them for careers in the large California nursery industry and provide an expanded base for service in the field of urban forestry.

7. We anticipate that urban forestry will grow as a strong and well-known curriculum at the College. The program as outlined in this project will continue so long as there is a demand for personnel trained in urban forestry. Some additional revenue may be derived from the tree waste recycling component of the project. As a community college, our efforts are primarily community oriented. We are very skilled in the process of obtaining community involvement and especially in the field of urban forestry. We would continue to use the community as our laboratory. We would continue to couple community participation with instruction and to the extent possible plant and maintain trees in nearby areas as a part of the instructional programs.

From the College's point of view, this project would provide a vehicle through which students can be trained to become qualified tree maintenance persons and this is also an important part of the California Department of Forestry's Urban Forestry Program.

IV. DETAILED PLANTING PLAN

- A. Tree species and alternates will be determined by studying the target areas designated and determining the tree needs of these target areas. It is estimated that at least 3,000 trees from approximately 25 varieties will be planted as a result of the project.
- B. The trees will be planted at locations to be selected within the cities of Covina, West Covina, and La Puente.
- C. Planting will be continuous beginning approximately January 1, 1982.
- D. Methods of Planting:
1. Tree pits shall be at least two times greater in diameter and depth than the container to be planted.
 2. If unsuitable soil is encountered in preparation, such soil shall be removed and sufficient replacement soil shall be supplied.
 3. All trees shall be staked and tied.
 4. All existing soil shall be amended with a suitable soil mulch at least by 50%. Amendment materials will be determined by soil type and structure.
 5. A preplant fertilizer will be added to each tree when planted. This fertilizer will be a 10-38-3 formulation or the approximate value.
 6. All trees will be watered in after installation and drip irrigation will be used wherever possible.

V. DETAILED MAINTENANCE PLAN - FIELD

- A. Drip irrigation will be installed wherever possible when installing new tree plants. Where drip irrigation practices cannot be employed, hand watering schedules will be developed and carried out by project volunteers and employees.
- B. Pruning will be accomplished by daily checks of existing trees and daily assessment of new tree plants. Natural pruning techniques will be deployed wherever possible. When this is not possible, trees will be pruned to meet the needs of their location. We will strive on new planting to locate the proper tree species for the location to minimize maintenance needs.
- C. Monthly fertilization will take place on new plantings until they are established. Once established, trees will be fed by a deep feeding system two times yearly. Established trees will be assessed and verticle mulched as needed once those existing trees are brought under control we will feed them twice yearly.
- D. An integrated pest management method will be deployed, existing and new plantings will be updated on a monthly basis. This assessment will be the need for weed control, disease identification, insect identification, cavity work, safety hazards, and necessary corrective measures will be taken.
- E. As in all maintenance schedules, they will change with each day as the project increases in scope. As accurately as possible, the following is a maintenance schedule projected on a day-to-day basis.

Watering

Daily checks of each new planting to see that drip systems and hand watering programs are being carried out.
 Weekly checks of all existing trees for moisture needs.
 Verticle mulch at least five trees per week for new root production and to bring in line with fertilizer efficiency.

Pruning

Daily assessments of target area by the tree foreman for all trimming that needs to be done. Emergency needs to take priority.
 Weekly checks of new plantings for vandalizement and rodent control, i.e., control wire and stake removals.
 During windy season, weekly assessments of target area for damaged trees.

Pest Control

Monthly assessment of new and existing trees for pest control needs.

Yearly spraying of deciduous tree species with dormant spray for pest control.

Fertilization Schedule

New plantings will be fertilized with a standard fertilizer once monthly until established.

Established plantings will be fertilized twice yearly with a deep watering system.

VI. DETAILED MAINTENANCE PLAN - NURSERY

- A. The entire nursery will be watered automatically wherever possible, liners and propagation will be watered daily by hand for good quality plant growth.
- B. The nursery will operate with an extensive records system to record plants grown, how grown, where planted, how many have survived, and what species they are. This records system will be very useful to future tree nurseries and would be available to all interested.
- C. A daily work operation can include: the collection of seed or cuttings for propagation, propagation of seed or cuttings, shifting of growing seeds, cuttings, liners, and 1 gallon cans, mixing of soils, fertilization of growing stock, pruning, staking, and general nursery clean up.
- D. Distribution and inventory of trees to be grown and when they will be ready to be distributed to include where they will be distributed.
- E. Maintenance Schedule - Nursery Operation
 - 1. Daily watering will be necessary
 - All 5 gallon cans will be on a time clock with drip irrigation.
 - All 1 gallon cans will be covered by rainbird sprinklers and placed on a time clock.
 - All liners and propagation will be watered by hand on a daily basis.
 - 2. Propagation of desired tree species will take place on a daily basis. Some of the propagation needs will be daily, making cuttings, propagation of seed, shifting seeds, cuttings, liners, and 1 gallon cans, mulching soils, staking, pruning, fertilizing, and pest control.
 - 3. Record-keeping and tree distribution on a daily basis.

VII. COMMUNITY INVOLVEMENT

The College is presently in the process of identifying community-based organizations and citizens groups which will be likely to participate in one or more activities of the "Trees are for Everyone" project.

To date, initial contacts have been made with the following:

Covina

Rotary Club of Covina
Covina Host Lions Club
Covina Kiwanis Club
Covina Junior Women's Club
Covina Redevelopment Agency

West Covina

Rotary Club of West Covina
West Covina Beautiful
West Covina Junior Women's Club
West Covina Lions Club
West Covina Chamber of Commerce
West Covina Community Redevelopment Agency
West Covina Fire Department

La Puente

American Legion Post No. 75
La Puente Valley Chamber of Commerce
La Puente/Industry Kiwanis Club
La Puente Lions Club
La Puente/Industry Rotary Club
Soroptimists International - Puente Hills
Veterans of Foreign Wars No. 1944
La Puente Women's Club

Mt. San Antonio College

Forestry Club
Ornamental Horticulture Club
Young Farmers
Associated Student Body
Community Services Department

Further, it is planned to conduct community surveys with letters sent to all likely organizations seeking support and involvement throughout the project. Responses would be solicited from the following list of sample questions:

Would you or your organization be interested in participating in

- Tree plants
- Tree maintenance projects
- Municipal park beautification
- Community advisory committee for urban forestry
- Seminars related to urban forestry
- Donation of equipment or supplies
- Donation of time or service
- Financial support
- Tour of Project Nursery & Recycling Center
- Tour of Project Area(s)

Mt. San Antonio College through its Community Services Department engages in a comprehensive array of community activities. During the 1979-80 year, 3,800 persons registered in recreation classes, 5,500 actively participated in supervised recreational activities, 90,436 people from outside organizations formally used College facilities for various purposes, 26,835 persons attended cultural activities, 34,359 people participated in community development activities in 196 different programs, 298 public information news items were released with distributions of 23,840, calendars of events were mailed six times for a total of 72,000 items.

The institution has experience and skill in working with the community. The "Trees are for Everyone" project can be well-integrated into the overall College Mission.



CITY OF COVINA

125 EAST COLLEGE STREET

COVINA, CALIFORNIA 91723

[213] 331-0111

CITY MANAGER'S OFFICE

RICHARD A. MILLER, City Manager

March 30, 1981


Ms. Barbara N. Crane
Coordinator, Agricultural Sciences
Mt. San Antonio College
1100 North Grand Avenue
Walnut, California 91789

Dear Ms. Crane:

Mr. Dewhirst has discussed your proposal with me, and of your project phases, we are interested in the tree maintenance needs, recycling center, educational awareness of urban forestry and the establishment of a managerial structure of student labor.

We are very pleased to participate in this program and look forward to a mutually beneficial relationship.

Sincerely,


Richard A. Miller
City Manager

RAM:dep

cc Del Dewhirst, Field Operations Director

ATTACHMENTS

Letters of Intent

Covina
West Covina
La Puente

Maps of Proposed Target Areas

Covina
West Covina
La Puente

City Hall
Telephone 330-4511

15900 Main Street
La Puente, California 91744



March 30, 1981

Barbara N. Crane
Coordinator, Agricultural Sciences
Mt. San Antonio College
1100 North Grand Avenue
Walnut, California 91789

RE: CALIFORNIA URBAN FORESTRY GRANT PROGRAM

Your proposed Urban Forestry Project has been reviewed by members of the City's staff and have concluded that it would be a worthwhile project for our community.

This will confirm the City of La Puente's intention to participate in one or more phases of your Urban Forestry Project.

Cordially,

Frank Ruiz
Assistant City Manager

FR:gm



City of **WEST COVINA** *California*
1444 WEST GARVEY AVENUE • 91790 • AREA CODE 213 • 962-8631

April 2, 1981

Ms. Barbara N. Crane
Coordinator, Agricultural Sciences
Mt. San Antonio College
1100 North Grand Avenue
Walnut, California 91789

Dear Ms. Crane:

This letter of intent serves as notice to you that the City of West Covina does wish to participate in the California Urban Forestry Grant Program. We look forward to participating in all phases of the project.

Our tentative target area will be between Cameron Avenue and Durness Street on the north and south, and between Sunset and California Avenues to the east and west.

Please feel free to contact Dave Roger or myself whenever we can be of assistance in the development of this project.

Sincerely,

Morris M. Wolff
Maintenance Director

MMW:mmm

cc: Harry Thomas
Herman R. Fast

APPENDIX 9

**ABAG/CDF
Urban WoodWaste Project**

FINAL REPORT

April 1983

Under Contract No. 3-080-162
With the California Department of Forestry

Memorandum

Forestry

Mr. Rex Grigg
Region VI

August 2, 1982

Attn: Eric Olden

Region 6

21

ISS ()
()

ATTENTION

Eric Olden

From : Department of Forestry

Subject: 5700 URBAN FORESTRY
Mt. SAC

Thanks for the opportunity to meet with the Mt. SAC group; you have a very ambitious group and I think your project will have some interesting results. We discussed many topics on Wednesday and I am sending some information that may help you.

- Hammer Hogs: Attached is a list from Forest Industries with names and addresses of firms selling chippers, hogs, and shredders.
- Air Pollution: Attached is information from ARB on rules and regulations affecting cogeneration facilities; there is some lessening of emissions standards for cogeneration facilities.
- Drying Rates: For manzanita cut in lake County, about two months ago, we found that material lost 30% of original weight in three weeks. Merv Pyorre in San Diego Ranger Unit may have a feeling for drying rates of chaparral.

If you have any questions or I can be of any other assistance, please call me at 492-0107.

Gary Brittner

Gary Brittner
Wood Energy Program

bw

cc: Merv Pyorre



From 11-11-80
11-11-80
11-11-80

277-332-2-2

*To be published
soon in Forest Products
Journal*

11/19/80

ECONOMIC FEASIBILITY OF UTILIZING URBAN WOOD

by

Michael Kent, J. Alan Wagar, and William A. Dost

ABSTRACT

For the East Bay Area of California, a facility for hogging urban wood waste into chips for fuel and perhaps for composting sewage sludge appears to be economically feasible. Profitability would probably be increased by adding a chainsaw mill to convert high quality hardwoods into slabs and blocks for woodworkers.

AUTHORS

When this study was conducted, Michael Kent was a graduate student in Agricultural and Resource Economics at the University of California, Berkeley. He is currently an Energy Survey Analyst for the Pacific Gas and Electric Company, San Francisco. J. Alan Wagar is Project Leader for the Urban Forestry Research Unit, Pacific Southwest Forest and Range Experiment Station, USDA Forest Service, Berkeley, and William A. Dost is Wood Products Specialist, Cooperative Extension Service, USDA in cooperation with the University of California Forest Products Laboratory, Richmond, California.

Profitability could probably be increased by adding a chainsaw mill to convert high quality hardwoods into slabs and blocks for use by woodworkers. However, an independent chainsaw mill operation appears uneconomic. Operators of a combined facility could move in or out of a few other markets--as for firewood or animal bedding--whenever advantageous, especially when such markets require little added capital investment.

STUDY AREA AND PROCEDURES

Analysis was made for the East Bay area of California (Contra Costa and Alameda Counties) using data for the entire Bay area comprising Marin, Sonoma, Napa, Solano, Contra Costa, Alameda, Santa Clara, San Mateo, and San Francisco Counties (fig. 1). These nine counties form a functionally-integrated economic unit, and related studies by the Association of Bay Area Governments provided estimates of current and future quantities and types of wood waste generated in the nine-county area.¹

Likely trends in this supply were considered, and the current and near-future usefulness of the supply was evaluated for both chipped and whole wood products, with emphasis on utilization practices that are currently uncommon but likely to be technologically and economically feasible within the next 10 years. Economic feasibility was then estimated for an Oakland facility producing hogged chips or chips plus material for woodworkers.

¹Association of Bay Area Governments. 1979. Urban wood waste: an inventory and analysis for the San Francisco Bay Area. Assoc. of Bay Area Governments in cooperation with USDA Forest Service. 108 p. [in various pagings]

THE SUPPLY

Not all urban wood waste is unwanted or unused. For example, some of the trees and branches removed by tree service companies are chipped or cut into firewood, and some wood from demolished buildings is sold as used lumber. Table 1 shows estimated waste wood generated in the San Francisco Bay Area for the year 1977-78. (This is approximately 164 tons per year for each thousand people. Amounts for other regions would depend not only on population but also on amounts and types of manufacturing, amount of demolition, extent to which wooded land is being cleared, and numbers of mature trees needing pruning and removal.)

Characteristics of urban wood waste that affect both the technology and economics of its utilization are location, contamination, form and heterogeneity, and moisture content. For scattered wood waste--as that resulting from construction--collection costs may be too high for economic utilization. Contaminants include attached or imbedded metal, tar, tar paper, paint, concrete, gypsum board, or other materials.

Urban wood waste will probably become increasingly contaminated as rising costs for new wood make it economically attractive to reduce waste and to re-use the least contaminated waste. Manufacturers, construction firms, and sawmills--all of which produce relatively clean waste--are tending toward more complete use of wood inputs. Pallets have also been a source of relatively uncontaminated wood waste but are increasingly being rebuilt or recycled. Such agricultural wastes as prunings from orchards and vineyards usually do not become part of the urban wood waste stream.

By contrast, demolition companies will continue to handle wood with relatively high contamination and will contribute an increasing share of the total wood waste stream.

SECONDARY WOOD
PRODUCTS MANUFACTURERS

Los Angeles, Orange, San Bernardino
and Riverside Counties

TAKEN FROM THE
CALIFORNIA MANUFACTURERS REGISTER,

1980 EDITION

FEBRUARY 3, 1981

WOOD WASTE RECYCLERS IN CALIFORNIA

July 1982

Company Name and Address	Contact Person & Phone No.	Comments
1. Hesco Wood Products, Inc. Rt. 2 Box 504 Brentwood, CA 94513	Leroy Hessler (415) 634-2801	Has 2 portable units. Will generally go anywhere within 150 mile radius of S.F. Bay Area. Wood must be free of steel and dirt. Minimum amount - 2000 tons.
2. L & D Landfill P.O. Box 255009 Sacramento, CA 95865	Tim Lien (916) 383-9074	Investigating feasibility of installing chipper for wood wastes. Currently having wood chipped with portable unit.
3. Waste Wood Energy Limited 311 East Live Oak Ave. Arcadia, CA 91006	Ivan Neufeld (213) 445-0228	Portable unit. Will go anywhere in California. Wood must be generally free of large iron, dirt, and other foreign material (nails and small bolts o.k.). Minimum amount - 2000 tons.
4. Orange Avenue Disposal 3280 So. Orange Avenue Fresno, CA 93727	Joe Caglia (209) 233-1158	Stationary facility for various types of wood wastes such as damaged log crates, construction site scraps, and demolition wastes.
5. Shredding Systems, Inc. 28170 S.W. Broberg Rd. P.O. Box 574 Wilsonville, Oregon 97070	Tom Garnier (503) 682-3033	Has mobile chipper. Will go anywhere in California to stockpiles of woodwastes.
6. San Quentin Disposal Co. 1615 Francisco Blvd. San Rafael, CA 94902	Bruce Bernhard (415) 457-2122	Stationary unit. Primarily shreds tree trimmings.
7. Grange Debris Box & Wrecking Co. 2021 Francisco Blvd. San Rafael, CA 94901	Fred Grange (415) 456-2712	Stationary unit.

**ABAG/CDF
Urban WoodWaste Project**

FINAL REPORT

April 1983

Under Contract No. 3-080-162
With the California Department of Forestry

APPENDIX 10

SACO HISTORY

SACO (pronounced "SOCKO!") was established during World War II by President Franklin D. Roosevelt and Generalissimo Chiang Kai-shek. Officially known as U. S. Naval Group, China, it was placed under the joint command of VADM Milton E. ("Mary") Miles and Gen. Tai Li, Director of Chinese Intelligence. The Chinese and American members of SACO joined in a combined effort to perform intelligence and guerilla operations. SACO TIGERS served hundreds of miles behind enemy lines, establishing vital weather stations, coast watching to report on enemy shipping, rescuing downed allied airmen and being involved in numerous other military, medical and humanitarian endeavors. The American personnel, numbering approximately 3,000, were mostly Navy and Marine, but some Army and a few Coast Guard members were also included. Three books: The Rice Paddy Navy, A Different Kind of War, and The Army-Navy Game, and one movie: Destination Gobi, were based on SACO's activities.



ITINERARY

SACO CONVENTION

1982

10 Nov. (Wed.)		Commander-in-Chief, ROC Navy	Taipei City
	13:15	Assemble at Hotel Lobby	
	13:30	Enroute to Pan-Chiao, Suburb of Taipei	
	14:00	Visit Far Eastern Pan-Chiao Weaving Mill	
	16:30	SACO Representatives Call on Minister Lin Yang-kang, Ministry of Interior RON Grand Hotel	
11 Nov. (Thur.)	08:15	Assemble at Hotel Lobby	Taipei City
	08:30	Enroute to Vocational Assistance Commission for Retired Servicemen (VACRS)	
	09:00	Call on General Cheng Wei-yuan, Chairman of VACRS	
	10:00	Visit Veterans General Hospital, VACRS	
	12:00	Luncheon Hosted by General Cheng	
	14:00	Enroute & Tour of Veterans Home, VACRS	Taoyuan County

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	15:00	Enroute and visit Taoyuan Furniture Factory, VACRS RON Grand Hotel	
12 Nov. (Fri.)	08:00	Assemble at Hotel Lobby	Nantou County
	08:30	Enroute to Sun Moon Lake	
	12:00	Lunch at Evergreen Hostel	
	14:00	Lake Tour	
	18:30	Dinner at Hostel RON Evergreen Hostel	
13 Nov. (Sat.)	07:00	Morning Call	Nantou County
	07:30	Breakfast at Hostel	
	08:30	Assemble at Hostel Lobby	
	09:00	Enroute to Nantou County	Kaohsiung City
	11:00	Call on Governor Lee Teng-hui, Taiwan Provincial Government	
	12:00	Luncheon Hosted by Governor Lee	
	13:30	Enroute to Kaohsiung	
	18:00	Dinner at Grand Hotel RON Grand Hotel	

14 Nov. (Sun.)	07:00	Morning Call	Kaohsiung City	
	07:30	Breakfast at Hotel		
	09:00	Assemble at Hotel Lobby		
	09:30	Visit Kaohsiung C. K. S. Culture Center		
	12:00	Luncheon at Kaohsiung		
	13:30	Tour of Fu Kuang Mountain & Cheng Ching Lake		
	18:00	Dinner at Grand Hotel RON Kaohsiung Grand Hotel		
15 Nov. (Mon.)	06:30	Morning Call	Kaohsiung County	
	07:00	Breakfast at Hotel		
	07:50	SACO Representatives Assemble at Hotel Lobby to Call on (1) Vice Admiral Shen Lien, Commander of First Naval District (2) Vice Admiral Lo Chi, Commander of the Fleet Command		
	08:30	The Other SACO Members Assemble at Hotel Lobby		
16 Nov. (Tue.)	08:45	Enroute to Naval District		
	09:20	Briefing		
	09:40	Visit a Navy Vessel		
	10:30	Visit ROC Navy Academy		
	12:00	Luncheon Hosted by Vice Admiral Lo		
	13:30	Call on ROC Marine Corps		
	19:00	Dinner Hosted by Admiral Chou, Commander-in-chief, ROC Navy RON Kaohsiung Grand Hotel		
16 Nov. (Tue.)	05:30	Morning Call		Taipei City
	06:00	Breakfast at Hotel		
	07:00	Enroute to Taipei		
	12:00	Arrival at Taipei & Check-in at Grand Hotel		
	14:00	Assemble at Hotel Lobby		
	14:20	Tour of National Palace Museum		
	18:30	1. SACO Representatives		

17 Nov. (Wed.)	08:20	Assemble at Hotel Lobby	Taipei City
	08:40	Enroute & Tour of Dr. Sun Yat-sen's Memorial Hall	
	10:00	Enroute & Tour of Chiang Kai-shek's Memorial Hall	
	13:40	Assemble at Hotel Lobby	
	14:00	Visit the Redwood Trees at Botanic Garden	
	15:00	1. Visit China Pottery and Porcelain Factory 2. SACO Representatives Call on Mr. James Lilly, Director of AIT	
	16:30	Enroute to Grand Hotel	
	18:30	1. SACO Representatives Call on General Hau Pei-tsun, Chief of the General Staff, MND 2. Enroute to Dinner Party	
	19:00	Dinner Hosted by General Hau RON Grand Hotel	

18 Nov. (Thur.)	09:00	Assemble at Hotel Lobby	Taipei City
	09:10	Enroute to Yang Ming Mount.	
	09:30	Visit Chung Shan Building, Yang Ming Mount.	
	11:00	Enroute to Grand Hotel	
	14:30	1. Open 2. SACO Representatives Assemble at Hotel Lobby to Call on Admiral Soong, Minister of National Defense	
	18:00	1982 SACO Banquet Hosted by Lt. General Chang Shih-chi at Grand Hotel RON Grand Hotel	
	19 Nov. a. m. (Fri.)	Open	
	p. m. Departure		

林木種子庫種子目錄

台灣省林業試驗所

TREE SEED INVENTORY

SEED BANK OF TREE SEED LABORATORY
TAIWAN FORESTRY RESEARCH INSTITUTE
53 NAN-HAI ROAD, TAIPEI, TAIWAN
REPUBLIC OF CHINA

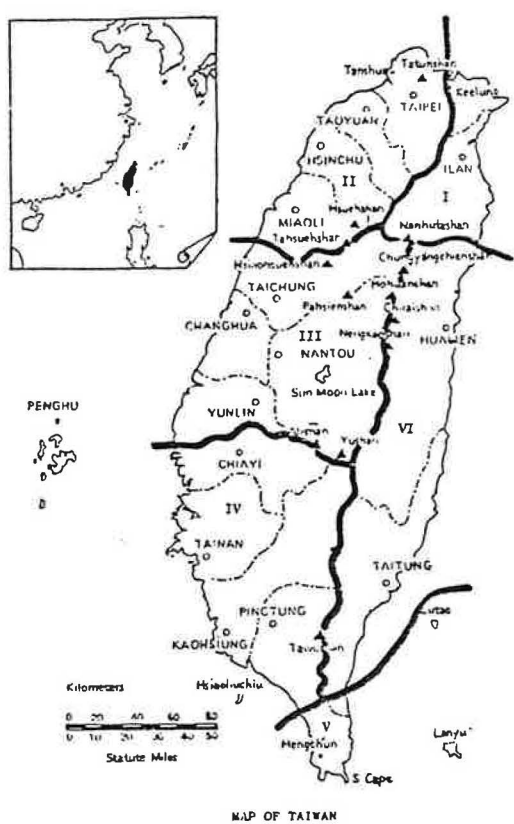
1982-1983

臺灣省林業試驗所技正
徐國士
地址：台北市南京路五十三號
電話：二七三〇七
二七三〇八
二七三〇九
二七三一〇
二七三一一
二七三一二

Kuo-Shih Hsu PH.D.
SPECIALIST
OF
TAIWAN FORESTRY RESEARCH INSTITUTE
TAIPEI BOTANICAL GARDEN
53 NAN-HAI ROAD
TAIPEI, TAIWAN
TEL: 3817107 (C)
3822321 (H)

Important Notice

1. Seeds will be provided in small quantities.
2. Seeds will be dispatched on a first come first serve basis.
3. All the listed seeds are free of charge and will be shipped by air freight.
4. Please submit import permit if required by your country.
5. Special collections will be based on actual cost and a price quotation will be submitted before the collection is made.



APPENDIX 11



Northwestern Los Angeles Resource Conservation District

BOARD OF DIRECTORS:

STEVE FOX, President
DWIGHT MORROW, Vice-President
LEWIS BLUMBERG, Member
ART RICH, Member
EDITH ROTH, Member

QUARTERLY NEWSLETTER

SPRING 1983

At RCD Office

YOUR CONSERVATION LIBRARY

Thanks to generous donations and volunteer assistance, the District's Vanderwal Conservation Reference Library is open to serve the public.

The small but growing collection specializes in conservation, natural resource and environmental topics. The library includes hardbound and paperback books, periodicals, journals, technical reports, newsletters and pamphlet files.

The library was established in the memory of conservationist Dirk J. Vanderwal, a longtime member of the RCD Board of Directors until he passed away in 1979. The District was the fortunate recipient of Mr. Vanderwal's personal library, which included conservation publications dating from 1937.

Some of the library's more popular magazines and periodicals include: *Audubon*; *California Agriculture*; *Environment*; *Environmental Action*; *International Wildlife*; *Journal of Soil & Water Conservation*; *Living Wilderness*; *National Parks*; *National Wildlife*; *Outdoor California*; *Ranger Rick*; and *Sierra*. Your RCD subscribes to many of these publications and others are donated by the public. If you have some unused conservation books or magazines, your tax-deductible donation to the District library would be most appreciated. Please contact your RCD for more information.

* * *

Each newsletter we will list a few of our library holdings that may be of interest.

Soil Survey of Los Angeles County West San Fernando Valley Area (Describes kinds of soil, has maps showing where they are located, and indicates how they can be used. Multiple copies available for lending.)

Storms, Floods, and Debris Flows in Southern California and Arizona 1978 and 1980 (Symposium proceedings.)

Ecology, Management and Utilization of California Oaks (Symposium proceedings.)

EARTHWEEK 83

For the fourteenth consecutive year, Environmental Sciences Week will be held at Pierce College in Woodland Hills. During the week-long event a variety of speakers and films will explore a wide range of environmental problems. Numerous displays and exhibits will provide information to the public.

April 18-23 is EARTHWEEK. Each day concentrates on a major theme: Monday, Waste Management; Tuesday, Wildlife Habitat/Marine Environment; Wednesday, Local Mountains, Parks and Land Use; and Thursday, Pollution, Population, Economy and Public Health. Saturday will be a "mini-conference" to explore efficient urban living in the 1980s. Topics to be covered include organic gardening, household recycling, water and energy conservation techniques and local land use.

EARTHWEEK is planned and coordinated by the campus conservation club Earth Watch and is funded by the Associated Student Body (ASB).

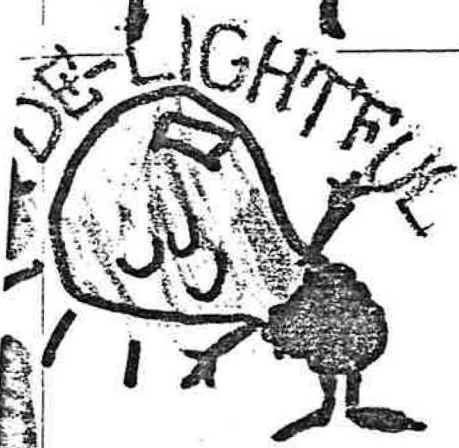
The weekday programs will run from approximately 11:00 am to 2:00 pm; Saturday is tentatively scheduled for 9:00 am to 2:00 pm. All programs are free and the public is encouraged to attend.

A detailed program is expected to be available at Pierce the week of April 11. As a community service, your RCD will mail the program upon request (997-1810).

RCD TO HOST AREAWIDE MEETING

Conservation officials from throughout California will be attending the Spring 1983 Area VI meeting of the California Association of Resource Conservation Districts. Your local RCD will be the host District for the session, which will be held in Woodland Hills on Friday, April 22. A tour of the Pierce College farm will be featured.

Area VI includes the counties of Los Angeles, Ventura, Santa Barbara, San Luis Obispo and Kern.



January 18, 1983

Dear Mr. Westcamp,

I thank you for teaching our class
about trees and how to prevent forest
fires. I could listen to you all day.
I hope I go to Mt. S.A.C. and
can be in your class.

From,

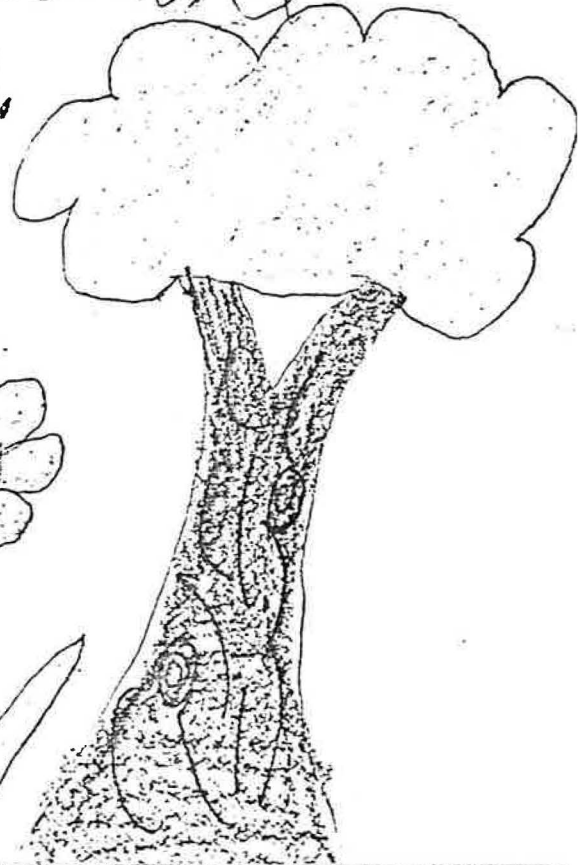
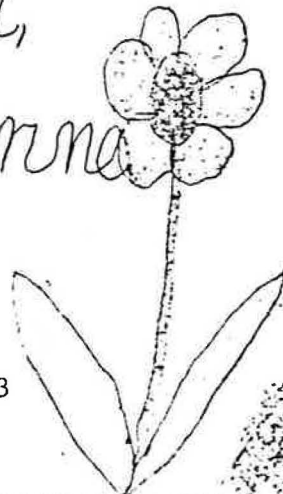
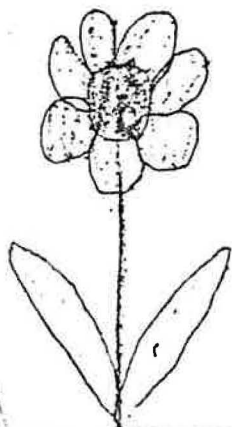
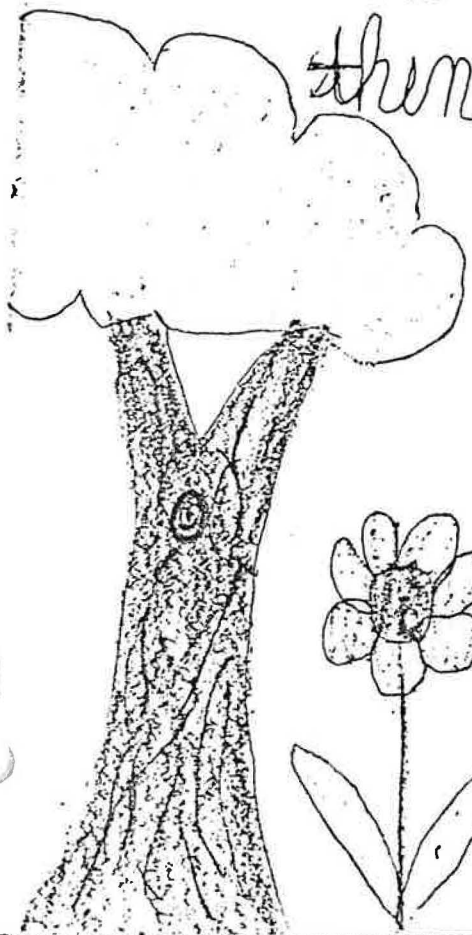
Jeddy J.





Dear Mr. Weskamp
I really liked your
lecture on trees. I
really learned a lot
about trees. I like
the book mark, I
think its cute.

From,
Arianna



PROJECT LEARNING TREE California

Salina Star Route
Boulder, CO 80302
(303) 444-2390

August 6, 1982

Dear Herman -

This is to announce the upcoming Southern California PROJECT LEARNING TREE (PLT) Leadership Workshop, to be held the weekend of October 1-3, 1982, at the Clear Creek Outdoor Education Center in the Angeles National Forest. Teachers, outdoor educators, resource agency people, and others interested in education in and about our environment are encouraged to apply to participate in this special workshop.

All who attend will be qualified to offer introductory PLT workshops for others, and to provide these others with free copies of the PLT Activity Guides (K-6 or 7-12 version).

Participants in this Leadership Workshop will become familiar with the PLT program and materials through actually experiencing and conducting PLT activities. There will be opportunities to review the materials and to discover correlations between PLT and other programs, materials, and curricular requirements in school districts in Southern California. Participants will learn of effective approaches to working with their local districts, generating support for environmental education, and offering their own PLT workshops.

TIME FRAME

The workshop will begin Friday evening with registration at the site between 4 and 5 pm. Participants can settle into their cabins and return in time for the evening meal at 5:30 pm. The introductory workshop session will begin after dinner and continue until approximately 9:30 pm. This session is essential for all participants to orient themselves to the purposes of the workshop, the nature of the PLT program, the site, and to begin to get acquainted with the other participants and the workshop staff.

Saturday morning, breakfast will be served at 8. Workshop activities will begin at 9 (with lunch from 12:30 till 1:30) and will continue through the afternoon. There will be a break before dinner with options for more physical, recreational activity, possibly including New Games. Following dinner (which will be served again at 5:30) participants will have an opportunity to inform others of work they may have been involved with already in the environmental/outdoor education field, or about other programs they recommend. One option we suggest is "Slide Sharing," and participants are invited to bring a few (4-6) slides to accompany their talking for a few (5) minutes on their interests or activities in this area. Informal time afterward will allow for follow-up interaction; participants are also encouraged to bring musical instruments!

PROJECT LEARNING TREE is a supplementary environmental education program, written by teachers, designed for integration into the regular K-12 curriculum. Indoor and outdoor activities which involve a wide variety of skills and subject areas invite teacher and student to explore our environment, from awareness to decision-making about lifestyles. One of the PLT Activity Guides (for grades K-6 or 7-12) is made available free of charge to each participant in a one-day PLT workshop.

PLT workshops are offered around the state by interested educators and other resource people who have participated in a special, three-day PLT LEADERSHIP WORKSHOP. PLT Leadership Workshops are conducted by members of the PLT Staff and other experienced PLT workshop leaders for the following purposes:

- to introduce participants to the PLT materials and strategies;
- to involve participants in discussion and practice of effective workshop facilitation techniques;
- to assist participants in planning approaches for interested others back home in attending PLT workshops, as well as in creating their own workshop formats;
- to enable the exchange of information, resources and experiences among educators and others who share a common interest in learning with young people about our environment and our place within it.

Participants in a PLT LEADERSHIP WORKSHOP can expect to:

- experience a number of the PLT activities, and explore in discussion with other participants possible applications for different educational settings and audiences, and correlations with other programs;
- conduct a PLT activity themselves, as a member of a small group, within the context of the leadership workshop;
- design their own plan for introducing the PLT program back home, including workshop format and activity ideas, drawing on the assistance and suggestions of the PLT Staff and other experienced PLT workshop leaders at the leadership workshop.

PLT LEADERSHIP WORKSHOP participants receive, in addition to both PLT Activity Guides, the PLT Workshop Handbook, containing numerous suggestions, guidelines, and resources to assist them in organizing, conducting, and following-up their own PLT workshops.

PROJECT LEARNING TREE is sponsored in California by the Redwood Region Conservation Council, and is funded partially by the California Energy/Environmental Education Grant Program. Nationally, PLT is co-sponsored by the Western Regional Environmental Education Council and the American Forest Institute.

PROJECT LEARNING TREE
Salina Star Route
Boulder, CO 80302
(303) 444-2390



CITY OF SAN BERNARDINO

300 NORTH "D" STREET, SAN BERNARDINO, CALIFORNIA 92418

WARREN A. KNUDSON
Director of Finance

TROY MINNING
Assistant Director of Finance

KENNETH L. CUNNINGHAM
Purchasing Agent

FINANCE DEPARTMENT

Administrative Division
Accounting Division
Purchasing & Stores Division

Telephone: 383-5242

July 28, 1983

Gentlemen,

The City of San Bernardino is currently in the process of liquidating the City Nursery and has available in excess of 24,000 trees and shrubs of various species. The majority of these trees and shrubs have been raised in the nursery and are healthy stock ranging in size from 1 gallon to 24" box.

If interested, please complete the attached form and return in the enclosed self addressed envelope. We will contact you regarding price, shipping etc.

Sale of these items will be on a first come, first serve basis.

Sincerely,



KENNETH L. CUNNINGHAM
Purchasing Agent

KLC:sc



SPECIAL ANNOUNCEMENT

I have been informed by a very reliable source that the City of Cincinnati is looking for foresters to fill three newly created Urban Forestry Specialist positions. No previous experience necessary, starting salary is approximately \$15,000 a year. The degree requirement is a Bachelor of Science in Forestry. Send your resumes to:

Mr. Steve Sandfort
Urban Forestry Division
950 Eden Park Drive
Cincinnati, Ohio 45202

Nancy Inmon, Director
P.O. Box 2134
Capistrano Beach, CA 92672
(714) 496-WOOD (9663)

Geraldine Gonzales Eckert, Consultant
P.O. Box 64159
Los Angeles, CA 90064
(213) 836-5577

Julianna Westcott, Consultant
3519 Mt. Everest Blvd.
San Diego, CA 92111
(714) 278-3539



Trees Are for People

An Environmental Education Program

It is the goal of Trees Are for People to promote awareness, appreciation and understanding of trees and their wise management, to urban students, within Orange County. Those listed below supply the support for this program.

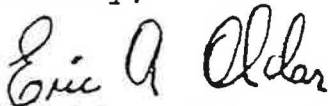
The aim of the Urban Forestry Program resembles that of this program, further they feel there is a need for urban dwellers to begin to visualize the concept of the utilization of our city trees. As the demands on our rural forests grow, we must begin thinking of the possibilities of our urban forests being a resource - a renewable resource.

As we all know thousands of pounds of tree material is being hauled away to a disposal site. This is not only costly, but a waste of a resource we can no longer afford to expend. There are some answers; answers which some intelligent planning can reveal, and which could benefit all those involved.

With that in mind we began looking for a community that would be progressive and aggressive enough to consider such a premise. Feeling Irvine is such a community, we send you the following invitation. It is an invitation to listen to what is already being accomplished in other areas, to judge if a project of this nature has merit, and to decide if it is worthy of further consideration.

We hope you or your representative will plan to attend.

Sincerely,



Eric Oldar, Urban Forester
(714) 781-4162

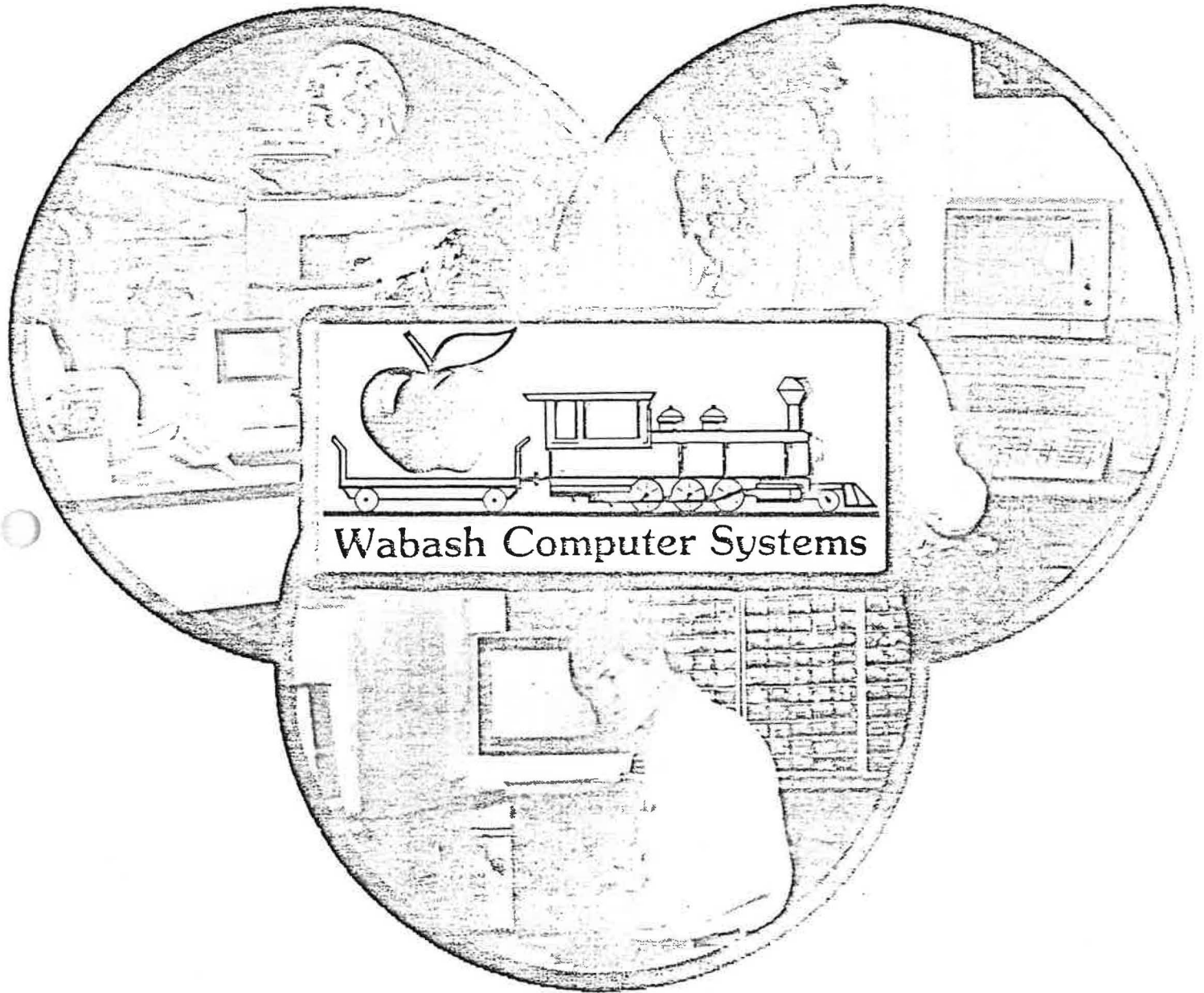


Nancy Inmon, T.A.F.P. Director
(714) 495-WOOD
9663

WABASH COMPUTER SYSTEMS

Sales

Training



Wabash Computer Systems

Service

El Toro
Suite C & D
23720 El Toro Rd.
El Toro, CA 92630
(714) 768-3236

Oceanside
Suite A
2235 El Camino Real
Oceanside, CA 92054
(619) 721-0560

San Diego
Suite 101
4637 Convoy
San Diego, CA 92111
(619) 576-1604

Phoenix
6102 N. 16th St.
Phoenix, AZ 85016
(602) 264-0546

DAVEY

A Division of The Davey Tree Expert Company



ENVIRONMENTAL SERVICES

Northern Ohio Field Office

October 19, 1982

Herman W. Weskamp
Mt. San Antonio Community College
1100 North Grand Avenue
Walnut, California 91789

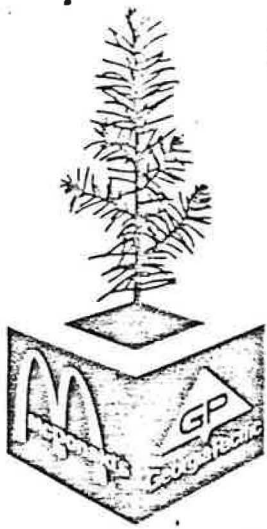
Dear Mr. Weskamp:

I enjoyed meeting and talking with you at the American Forestry Association's Urban Forestry Conference in Cincinnati. I would be interested in how your wood waste utilization project develops and the various uses and systems that you find in dealing with the urban forest's products. Please put us on your mailing list for any newsletters or information that you have. Stay in touch. If we can help you with anything, feel free to call me on our toll free line: 1-800-321-7572.

Sincerely,

Ward Peterson
Manager, Northern Ohio Field Office

WP:geb



T HIS MONTEREY PINE SEEDLING is brought to you by your local McDonald's® Restaurant in California and Georgia-Pacific Corporation in keeping with the holiday spirit of giving. McDonald's and Georgia-Pacific are making these trees available to provide an opportunity for you to learn about and care for one of America's most valuable resources — the tree.

PINUS RADIATA — Monterey Pine

This tree is native to California's central coast. It is a common decorative tree along the Pacific slope. Identifiable by its slender dark green needles of 4" to 6" in length in groups of three and by its large asymmetrical cones, it can grow to 110 feet in height and 30 inches or more in diameter.

TREES FOR CALIFORNIA

To help reforest California timberland, Georgia-Pacific research foresters raise about three million seedlings a year in the state. Georgia-Pacific has forest tree nurseries in Fort Bragg, California; Cottage Grove, Oregon; Crossett, Arkansas; Palatka, Florida; Woodland, Maine; and in Canada at McAdam, New Brunswick. (They also maintain nurseries in Brazil and Indonesia for reforestation.) Seeds for the greenhouses are supplied from 34 Georgia-Pacific seed orchards.



Your tree was grown and packaged by
Georgia-Pacific



PLACE
STAMP
HERE



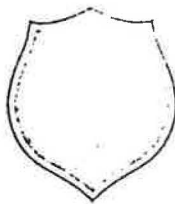
TreePeople

Urban Forest
P.O. Box 241984
Los Angeles, CA 90024

NORTHERN CALIFORNIA
SOCIETY OF AMERICAN FORESTERS

CHAPTERS:

Bay Area
Del Norte
49er
High Sierra
Jedediah Smith
Monterey Bay
Mother Lode
Mt. Shasta
Peter Lassen
Redwood Coast
Sacramento-Tahoe
Southern San Joaquin
Wynton
Kings River College Student
Sierra College Student



4951 Heatherdale Lane,
Carmichael, Calif 95608
916-489-597

TO: ✓ Eric Oldar
Herman Westcamp

FROM: Paul Cox

SUBJECT: Urban Forestry - Board of- Forestry

✓ Eric: Attached are my report to the SAF chairmen about the Board meeting, and my testimony to the Board as I wrote it up and will send it to the Board. I think I picked up the additional paragraph. I hope it was the one you wanted included.

I think it would be helpful if you could get CDF to include all or part of- SAF's thinking in the material that the Board agreed to hear in November after CDF and Board staff review. This would save a lot of time, and the confusion of the review by the Board's Policy and Legislation Committee.

I realize this is probably not exactly procedurally correct, but maybe it could be pulled off.

✓ Herm: Same enclosures to you. I appreciate your offer to report to the Southern California Executive Committee. You will do better than I would, and look at the expense money SAF will save.

Sincerely,



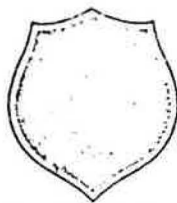
Paul Cox
Executive Secretary

cc: Lindstrand
Turner

NORTHERN CALIFORNIA
SOCIETY OF AMERICAN FORESTERS

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High Sierra
Jedediah Smith
Monterey Bay
Mother Lode
Mt. Shasta
Peter Lassen
Redwood Coast
Sacramento-Tahoe
Southern San Joaquin
Wynnton
Kings River College Student
Sierra College Student



4951 Heatherdale Lane,
Carmichael, CA 95608

October 11, 1982

TO: Len Lindstrand, NoCal SAF Chairman
Walt Turner, SoCal SAF Chairman

SUBJECT: Board of Forestry Meeting Oct. 5-6, 1982

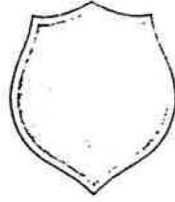
I attended the Board Meeting. The first day was a field trip to the Lake Arrowhead-Lake Gregory areas of the San Bernardino Mts. The Board reviewed insect control; problems of urban development including poor landscaping practices, poor treatment of native trees vis a vis insects and disease; a small sawmill; San Bernardino Ranger Unit CDF dispatch and cooperative fire protection and the Lake Arrowhead Property Owners Association urban forestry grant (Jim Asher; consultant). This last stop was excellent background for my testimony on urban forestry the next day, and helped pave the way for acceptance of SAF testimony on urban forestry regulations (see #10)

1. Call to order : Phil Berry absent, others present
2. Communications and Announcements: mostly news clippings re: Dir. Pesonen's article in LA Times (anti-Watt, similar to articles in Journal); creation of new Natural Area in Inyo NF; gypsy moth; SB 856; OAL annual report.
3. Minutes approved; 4. Chairman Vaux commented on excellent field trip.
5. Director Pesonen reported on gypsy moth; 80 M ac. accomplishment in prescribed burning under chaparral management program; \$345 k test directed by Legislature of Canadair "scooper" firefighting aircraft; his testimony at Legislature oversight hearings in Eureka where he and John Walker of Simpson Timber Co. had conflicting testimony and continuing study and effort to resolve cost of implementing FP Act; and study of Simpson's high cost problem with "clear cutting adjacency". It is possible that Simpson's problem is unique due to a large area of second-growth timber all of one age class. Also reported on Budget Change Proposal re FPA review test.
- 6,7: Executive Officer reported that SB 856 is now law. We favored this bill which restricts county forest practice ordinances. AB 134 is law - provided for Timber Production (vice Preserve) Zones and stop orders for Forest Practice violations. AB 2770 (Scher) also on TPZ's also is law. Reported OAL rejected several portions of Stream and Lake Protection Regulations. Some are minor and Board will correct but at least two (including the rejection of a THP by negative comments of two review team members) are policy questions which the Board referred to their Forest Practice Comm. for review.
- 8,9: All advisory Comm. reports put over until November.
- 10: Hearing on Urban Forestry Grant Program Procedures: I testified and testimony was apparently well received (see attached). However, my main point concerning overall management plans and the priority of grants was referred to the Policy Committee. Other points are to be worked on by Staff and Department for November adoption. Others who testified: Director Pesonen, on need for citizen-type community involvement; Jim Geiger for CDF; two grant recipients - one along lines of SAF testimony - one on need for education type grants for urban residents; Jim Asher, reinforcing success of his Lake Arrowhead grant and Harvey Striplin for ACF

NORTHERN CALIFORNIA
SOCIETY OF AMERICAN FORESTERS

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Peter Lassen
Redwood Coast
Sacramento-Tahoe
Southern San Joaquin
Wynnton
Kings River College Student
Sierra College Student



Lindstrand & Turner
Board of Forestry 10/5,6/82
page 2

who requested a regulation to restrict "free advice" by CDF as is done in Service Forestry where the internal rule is only three days of free advice before a private consultant is called in.

11. Hearing of Proposed Repeal of Section 846 (Research Policy). I testified here for SAF. Testimony was well received (see attached). Policy was repealed and will be adopted into "Board Manual". Staff will look into corrections necessary in procedures when adopted into Manual; Chairman Vaux agreed to reactivate Research Committee after checking with Director of PSW Forest and Range Experiment Station. Vaux agreed that Research Committee action is probably necessary in that profound structural changes may be occurring in the financing of forestry research in that State financing is all but gone and it appears Federal financing may be going the same way.
12. Board adopted Roads and Landings Regulations by a 5-3 vote.
13. Board adopted new Regulations Relative to Operation of the Board retaining only regulatory materials and adopting the remainder as policies in the "Manual".
14. Board adopted regulations relative to Sampling Procedures, with inclusion of an explanatory diagram.
15. New and Unfinished Business: discussed an appeal from RPF Licensing Exam; scheduled 5 hearings for Nov. 3 & 4 meeting in Sacramento; also will discuss Board Annual Report. (On latter I will check out need for Research statement in Board's Annual Report.)

Sincerely

Paul Cox
Exec. Secy., Sacramento Representative

cc: Reid
Westcamp
Phillips
Melo
Oldar
Rice
Barber

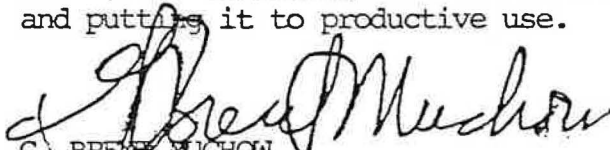
Herman Weskamp
3034 Larkwood Street
West Covina, CA 91791

Dear Mr. Weskamp:

The meeting of the Urban Forestry Program is scheduled for Thursday, November 18, 1982 at 10:30 a.m., Irvine Chamber of Commerce Conference Room, City Hall Annex, 2801 McGaw Ave.

Nancy Inmon's letter is directed at the problems of Great Concern, Managing Urban Forests and the Utilization of the Bio Mass from trees that is filling local dump sites.

This is an opportunity to hear what is being accomplished elsewhere, and to discuss the utilization of tree waste in Irvine and putting it to productive use.


G. BRENT MUCHOW
Director - Public Works

HG:gcm

APPENDIX 12

Second National
Urban Forestry Conference
Planning Committee

Henry DeBruin
The American Forestry Association

Fred Deneke
USDA Forest Service

Gene Grey
USDA Extension Service

Lee Herrington
SUNY College of Environmental
Science and Forestry

Curtis Johnson
USDA Forest Service Pinchot
Institute

George Moeller
USDA Forest Service Research

Richard Pardo
The American Forestry Association

Frederick Payne
Cincinnati Park Board

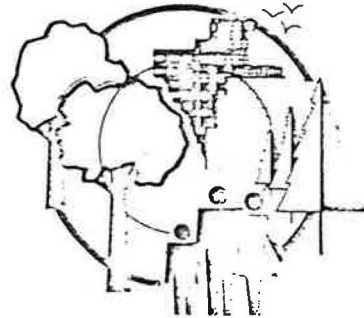
Steve Sandfort, R.F.
Cincinnati Park Board

Margaret Thomson
Forest Policy Analyst

Program

**SECOND NATIONAL
URBAN FORESTRY
CONFERENCE**

**"Urban Forestry for Livable Cities:
Making It Happen"**



Cincinnati Convention Center
and Stouffer's Towers Hotel
Cincinnati, Ohio
October 10-14, 1982

Co-sponsored by:
The American Forestry Association
U.S.D.A. Forest Service
U.S.D.A. Extension Service
The Ohio Forestry Association
Cincinnati Park Board

*In conjunction with the
107th Annual Meeting of
The American Forestry Association
and Centennial of the
First American Forest Congress*

PROGRAM

Second National Urban Forestry Conference

The Honorable James A. Rhodes,
Governor of Ohio
Honorary Chairman

Dr. Thomas H. Ripley,
President

The American Forestry Association
General Chairman

SUNDAY, OCTOBER 10:

Conference registration: 12:00 Noon to 6:00 p.m.
Convention Center

Planting the President's Tree: 2:00 to 3:30 p.m.
Eden Park, hosted by the Cincinnati Park Board, commemorating the 100th Anniversary of the First American Forest Congress with a reenactment founding of the President's Grove. President Reagan has been invited to plant his chosen tree.

Grand Opening Reception: 6:00 to 7:00 p.m.
Exhibits Area, Convention Center

MONDAY, OCTOBER 11:

Opening General Session: 9:00 a.m.
Convention Center

Opening Ceremonies
Keynote Address: Speaker to be announced.
Urban Forestry: The Vision
The Reality

Response and summary of morning session

Lunch: 11:30
No-host sandwiches and beverages—Exhibit Area

Second General Session: 1:00 p.m.
Convention Center
Meeting Community needs through Urban Forestry
Urban Forestry and the Planning Process
Showcases of success: two concurrent sessions
Success Stories from the City
Success Stories from the City Edge

Adjournment: 4:30 p.m.

Monday evening:

5:00-6:00 p.m. Annual Membership Meeting of
The American Forestry
Association

6:00-7:00 p.m. Beer and pretzels in the
Exhibit hall

7:00-9:00 p.m. First National Meeting of the
Urban and Community Forestry
Leaders Council

TUESDAY, OCTOBER 12:

Third General Session: 8:30 a.m.
Convention Center

Public Involvement and Grass Roots Action:
Panelists and case studies

Gaining Media Support: Advice from a public
relations professional

Building Urban Coalitions: A panel of experts will
tell you how.

Lunch: 11:40 a.m.
No-host sandwiches and beverages—Exhibit Area

Afternoon Workshops: 1:00 p.m.
Convention Center

Four concurrent sessions—each to be presented twice

Energy Conservation and Physical Environment:
Vegetation management for economy and
comfort

Recreation and Wildlife: The multiple uses of
community forestry

Products of the Urban Forest: Adding income
and opportunity

Environmental Education and Interpretation:
Close to home learning experience

Adjournment: 4:30 p.m.

Tuesday Evening Events:

7:00-9:30 p.m. Poster Session: Exhibits and
demonstrations showing the latest
in research projects and action
programs. A chance to talk with
dozens of urban resource man-
agement professionals.

Tuesday Evening Events (Cont'd)

Time & Room Annual meeting of the Metro-
to be politan Tree Improvement
announced Alliance (METRIA)

WEDNESDAY, OCTOBER 13:

Fourth General Session: 8:30 a.m.
Convention Center

Legislating and Politicking for Urban Forestry
The do's and don't's of political action

Morning Workshops: 10:00 a.m.
Convention Center

Three concurrent sessions

Legal Components of an Urban Forestry Prog
Liability, ordinances, contracts, and certific

Timely Topics in Urban Forestry Programs:
Integrated pest management, urban landfill
administrative organization for urban forest
international urban forestry, volunteerism

Urban Forestry and the Private Sector:
Developers, the commercial sector, the wo
land management connection

Lunch: 11:30 a.m. On your own.

Afternoon Workshops: 1:00 p.m.
Convention Center

Two concurrent session—each to be presented t

Funding Urban Forestry Programs: Revenues
grants, private donations, and innovative so
help ideas that work

Training and Information Sources: for the pub
the practitioner, the community, and the cit

Adjournment: 4:30 p.m.

Wednesday Evening

Cocktail Reception: 6:00 p.m.
Annual Awards Banquet: 7:00 p.m.
Speaker to be announced.

THURSDAY, OCTOBER 14

An all-day tour of urban parks and forests in the
Cincinnati area. An opportunity to see how our
city has made urban forestry work for everyone.
Includes a traditional Cincinnati buffet lunch.

PROGRAM

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Urban Forestry and the Planning Process
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Panelists and case studies

**Gaining Media Support: Advice from a public
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**Building Urban Coalitions: A panel of experts will
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Lunch: 11:40 a.m.
No-host sandwiches and beverages—Exhibit Area

Afternoon Workshops: 1:00 p.m.
Convention Center

Four concurrent sessions—each to be presented twice

Energy Conservation and Physical Environment:
Vegetation management for economy and
comfort

Recreation and Wildlife: The multiple uses of
community forestry

Products of the Urban Forest: Adding income
and opportunity

Environmental Education and Interpretation:
Close to home learning experience

Adjournment: 4:30 p.m.

Tuesday Evening Events:

7:00-9:30 p.m. **Poster Session:** Exhibits and
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in research projects and action
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dozens of urban resource man-
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Tuesday Evening Events (Cont'd)

Time & Room to be announced Annual meeting of the Metro-
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Alliance (METRIA)

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The do's and don't's of political action

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Convention Center

Three concurrent sessions

Legal Components of an Urban Forestry Program:
Liability, ordinances, contracts, and certification

Timely Topics in Urban Forestry Programs:
Integrated pest management, urban landfills,
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Developers, the commercial sector, the wood
land management connection

Lunch: 11:30 a.m. On your own.

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Two concurrent sessions—each to be presented twice

Funding Urban Forestry Programs: Revenues,
grants, private donations, and innovative self-
help ideas that work

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Includes a traditional Cincinnati buffet lunch.



Founded 1875

1319 Eighteenth Street NW Washington DC 20036 telephone (202) 467-5810

The American Forestry Association
and the
Cincinnati Park Board

Cordially invite you to help celebrate
the planting of the President's Tree
in the Presidential Grove at Eden Park

Cincinnati, Ohio
Sunday, October 10, 1982

This event commemorates the
100th Anniversary of the First American Forest Congress
and the
Centennial of the Presidential Grove
and marks the opening of the
Second National Urban Forestry Conference*

Ceremonies will begin at 2:00 p.m. rain or shine.
See reverse side for program.

Thomas H. Ripley, President
The American Forestry Association

Frederick L. Payne, Director
Cincinnati Park Board

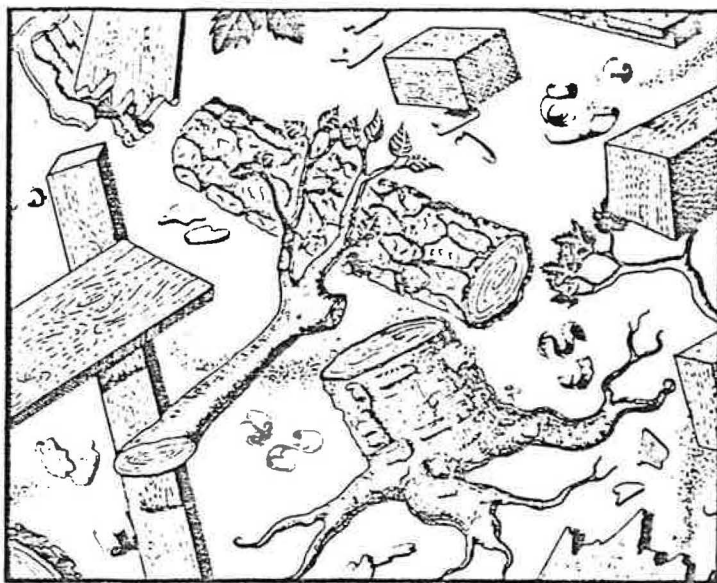
- * "Urban Forestry for Livable Cities: Making It Happen."
Cincinnati Convention Center, October 10-14, 1982.
Sponsored by The American Forestry Association, U.S.D.A.
Forest Service, U.S.D.A. Extension Service, Ohio Forestry
Association, and Cincinnati Park Board.

URBAN WOOD WASTE RECOVERY

Thursday • April 14, 1983
8:30 a.m. - 5:00 p.m.

Sponsored by the
Association of Bay Area Governments

Cosponsored by:
Forest Service, USDA
California Department of Forestry



AGENDA

- 8:15 a.m. REGISTRATION AND COFFEE
- 9:00 WELCOME -- Revan Tranter, ABAG Executive Director
INTRODUCTION -- Linda Morse, Conference Coordinator, ABAG COPPER/SILVER ROOM
- 9:10 URBAN WOOD WASTE MARKETS: CURRENT STATUS AND FUTURE MARKET DEVELOPMENT COPPER/SILVER ROOM
Moderator: Mary Hyman, Principal Engineer, Tera Corporation
Wood Energy Markets -- Jennifer Allen, Coordinator for Agricultural and Forestry Waste Programs,
California Waste Management Board
Compost Markets -- Clarence Golueke, Director of Research and Development, Cal Recovery Systems, Inc.
Building Materials Markets -- Justin Bosley, Manager, Cleveland Wrecking Co.
Market Development for Urban Wood Waste -- Bernard Meyerson, President, Secondary Resource
Development Consultants, Inc. *see last page for details*
- 10:30 FINANCING URBAN WOOD WASTE PROJECTS COPPER/SILVER ROOM
Moderator: Michael Brown, President, Brown, Vence and Associates
Debt and Equity Financing -- J. Kirk Casselman, Senior Counsel - Project Finance, TXL Corporation
State Programs and Innovative Financing Options -- John Johansen, Manager of Finance and
Technology Development Office, California Energy Commission
- 11:30 "URBAN WOOD WASTE: RESOURCE FOR LOCAL GOVERNMENTS" -- Slide Show Presentation COPPER/SILVER ROOM
- 11:45 LUNCH TOP-OF-THE-INN
KEYNOTE SPEECH: Urban Wood Waste Recovery: What Does the Future Hold? Jerry Partain,
Director, California Department of Forestry
- 1:30 p.m. URBAN WOOD WASTE SUPPLY AND PROCESSING (Concurrent Sessions)
Workshop A: Urban Wood Waste Supply: How Much Is There and Where Is It? GOLD ROOM
Moderator: Linda Morse, ABAG
Kelly Runyon, Senior Engineer, Brown, Vence and Associates
Fred Grange, President, Grange Debris Box and Wrecking Company
Chuck Mason, District Manager, Davey Tree Surgery
Workshop B: Processing, Handling, and Hauling of Urban Wood Waste COPPER/SILVER ROOM
Moderator: Ray Rasriussen, Production Manager, Biomass Division, Tera Corporation
George Savage, Vice President, Cal Recovery Systems, Inc.
Sky Palmer, Sales Engineer, Empire Equipment
- 2:45 URBAN WOOD WASTE RECOVERY OPTIONS (Concurrent Sessions)
Workshop C: Wood Energy -- Direct Combustion COPPER/SILVER ROOM
Moderator: Gary Brittner, Wood Energy Specialist, California Department of Forestry
Eugene Cone, Staff Engineer, Gibbs and Hill, Inc.
Eric Bettencourt, Manager of Power Engineering, Tri-Valley Growers
Bill de Boisblanc, Manager of New Source Review, Bay Area Air Quality Management District
Workshop D: Composting Using Urban Wood Waste GOLD ROOM
Moderator: Florence Rhoads, Councilmember, City of San Mateo
Tim Flanagan, Coordinator for Materials Recovery, City of Palo Alto
Tom Shastid, Assistant Environmental Engineer, East Bay Municipal Utility District
Richard Gertman, President, Northern California Recycling Association
- 3:45 CLOSING SESSION: WHERE DO WE GO FROM HERE? -- Linda Morse, ABAG COPPER/SILVER ROOM
- 4:00 NO-HOST RECEPTION TOP-OF-THE-INN
- 4:00 POST CONFERENCE SESSION -- Wood Fuel Producers Association, Thor Bailey, Energy Products GOLD ROOM



1983 ENVIRONMENTAL EDUCATION FAIR

Los Angeles State and County Arboretum

Greetings!

The third annual Environmental Education Fair (EEF) is going to be held at the State and County Arboretum, 301 N. Baldwin Avenue, Arcadia 91006, on Saturday, March 12, 1983, 9:00 a.m. to 4:00 p.m.

This Fair is being sponsored by members of various educational groups, including members of the Los Angeles City/County Energy Education Council, the California Urban Forests Council and State Department of Education. A large number of public and private organizations will have exhibits. The Fair is planned to give teachers and the general public in southern California an opportunity to see and examine programs and materials offered by the many broad and diverse organizations in the southern California area.

Exhibits will be welcomed on a first come, first served basis. Deadline for filing is January 17, 1983. Space for large displays will be limited, so please let us know as soon as possible.

Changes for the 1983 Fair have taken place. More space will be available outside for displays and materials. Publicity will be extensive throughout southern California. The Fair will be free to all Arboretum visitors. Expected attendance is 2,500-3,000.

Additional information:

- * Exhibitor can drive to the Environmental Hall to unload between 7:30 and 8:30 a.m. on Saturday morning. In addition, exhibitors may set up on Friday, March 11 from 1:30 and 4:00 p.m. Exhibits can be removed after 4:00 p.m. on Saturday.
- * Free materials can be distributed; no cash sales will be permitted during the Fair (Arboretum rules). Orders can be taken for future purchases of materials.
- * Each exhibitor will be provided an 8-foot rectangular table and a chair. Spaces for large exhibits will be approximately 10 x 10 feet.
- * Some areas will have velcro material on dividers to attach display materials.
- * Exhibitor will need to staff their booths between the hours of 9:00 a.m. and 4:00 p.m.

For more information, call Herb Spitzer at (213) 267-2481 or 896-2434, ext. 236.

REGISTRATION INFORMATION

1. Registration must be received by June 9, 1983. No purchase orders accepted.
2. Registration fee includes the 2-day session and 1 copy of the post-conference proceedings (mailed 3 to 4 months after meeting). The field trip is separate (see registration form above).
3. All meals (except lunch on the field trip) and lodging arrangements are the responsibility of the individual.
4. The field trip will begin and end in the Holiday Inn parking lot.

SCHEDULE

June 14, 1983	June 15, 1983	June 16, 1983
8:00-9:00 Registration	8:00-5:00 Workshop Topics #3,4,5,6	8:00-5:00 Univ. Calif., Davis and
9:00-9:30 Keynote Address	(see below)	Concord Naval Weapons Station
9:30-5:00 Workshop Topics #1,2 (see below)		

WORKSHOP TOPICS

WORKSHOP 1-- Species Selection and Requirements

Overview of Eucalyptus Characteristics-- A. Leiser (UCD)
Lake County Plantings-- C. Hemstreet (UCCE)
So. California Plantings-- P. Moore (UCR)
Cal Poly Plantings-- N. Pillsbury (Cal Poly, SLO)
Cold Tolerance Trials in Southwest Oregon-- L. Hunt
Humboldt County Trials-- F. Henschell (L-P)
SCS Eucalyptus Trials-- G. Young (SCS)

WORKSHOP 5-- Breeding Programs

California Provenance Trials-- T. Ledig (USFS-PSW)
Genetic Improvement Gains-- G. Meskimen (USFS-SE)

WORKSHOP 6-- Propagation of Eucalyptus

Containerized Seedling Propagation-- G. Walters (USFS-PSW)
Clonal Propagation-- M. Boulay & H. Chaperon (AFOCEL)

WORKSHOP 2-- Products, Uses, Economics

Wood Properties and Implications for Products-- W. Dost (UCCE)
California Wood Energy Program-- G. Brittner (CDF)
Managing Blue Gum for Firewood-- R. Osterling (Consultant)
Large-Scale Energy Farms & Power Cogeneration-- Bob Norona (Tri-Valley Growers)
Eucalyptus as a Landscape Tree-- D. Hamilton (UCCE)
Economics of Eucalyptus Fuelwood Farms-- R. Standiford (UCCE)

WORKSHOP 3-- Growth and Yield

Review of Worldwide Growth and Yield-- R. Skolman (USFS-PSW)
High Density Yields of *E. grandis*-- R. Sachs (UCD)
Growth and Yield in Napa County-- D. Donaldson (UCCE)
Early California Yield Studies-- R. Standiford (UCCE)
Industrial Planting of *E. viminalis* in Mendocino County-- P. Passof (UCCE)

WORKSHOP 4-- Cultural Requirements

Nelder Wheel Spacing Trials-- W. Marks (Cal Poly, SLO)
Irrigation & Fertilization-- P. Moore (UCR)
Weed Control-- C. Elmore (UCCE)
Harvesting and Coppicing-- T. Geary (USFS-WO)



Project Learning Tree

ENVIRONMENTAL EDUCATION

LEADERSHIP WORKSHOP

October 1 - 3, 1982

Clear Creek
Outdoor Education Center
Angeles National Forest

QUESTIONS?

For further information, you may call
Gary Warshefski at the Santa Monica
Mountains National Recreation Area:
(213) 888-3440

Or write to:

Jan Rensel, Director
California Project Learning Tree
Salina Star Route
Boulder, Colorado 80302

APPLICATION FORMS

should be completed and returned to
the Registration Coordinator:

Mrs. Sooky Goldman, President
Wm. O. Douglas Outdoor Classroom
817 North Bedford Drive
Beverly Hills, California 90310

SPONSORSHIP

In the State of California, PROJECT LEARNING TREE is sponsored by the Redwood Region Conservation Council and supported in part by monies from the California Energy/Environmental Education Grant Program. The PROJECT is made available through the cooperative efforts of numerous individuals and agencies throughout California, including county education departments, teacher centers, resource agencies, classroom teachers and university professors. At the national level, PROJECT LEARNING TREE is made possible by the co-sponsorship of the Western Regional Environmental Education Council and the American Forest Institute.

We would like to know a little bit about your background in environmental/outdoor education! Please answer the following:

I have attended an introductory PLT workshop.
 yes no

I have attended a US Forest Service "Investigating Your Environment"/PLT workshop.
 yes no

Do you have environmental/outdoor education experiences?
 yes no

Help us plan the Saturday evening resources session!

I will be bringing 4-6 slides or other favorite environmental/outdoor education materials to show others.

Can you provide information (we'll circulate this information to assist you!):

I will be driving a car and can bring others.

I would like to ride with someone else.

YOU ARE INVITED . . . to participate in a

PROJECT LEARNING TREE
ENVIRONMENTAL EDUCATION
LEADERSHIP WORKSHOP!

WHAT IS PROJECT LEARNING TREE?

- * An interdisciplinary, supplementary environmental education program now available in 33 states
- * A cooperative effort involving educators, resource agencies, industry, and community groups
- * Instructional materials, strategies, and services available at no charge
- * A support for long-term environmental education efforts
- * A way to provide young people of kindergarten through high school age with awareness, knowledge, and skills for intelligent and responsible decision-making involving natural resources and human interaction with those resources.

WHEN AND WHERE IS A PLT LEADERSHIP WORKSHOP BEING OFFERED IN SOUTHERN CALIFORNIA?

October 1-3, 1982 at the Clear Creek Outdoor Education Center.

WHO WILL BE ATTENDING?

Approximately 60 people from throughout Southern California, representing leadership in education, natural resource agencies, business, and community groups.

WHAT ARE THE PURPOSES OF THIS LEADERSHIP WORKSHOP?

- * To prepare participants to become PLT/environmental education workshop facilitators, able to provide this resource to interested teachers and others in Southern California
- * To strengthen regional networking of environmental education resources

Participants will receive:

- * A set of the K-6 and 7-12 PROJECT LEARNING TREE Supplementary Activity Guides, and other resource materials
- * Practical, hands-on experience in easy-to-use, substantive teaching activities for use with kindergarten through high school age young people
- * Training in how to plan and conduct environmental education workshops
- * Assistance in ways to incorporate environmental education strategies and materials into local instructional programs.

IF YOU ARE INTERESTED IN ATTENDING THIS PLT/ENVIRONMENTAL EDUCATION LEADERSHIP WORKSHOP . . . Please complete and mail the attached application form. Space is limited, so send in your application as soon as possible. A confirmation letter will be sent providing additional information. Food, lodging, and all workshop materials will be provided free-of-charge. There is a \$5 registration fee.



PROJECT LEARNING TREE ENVIRONMENTAL EDUCATION LEADERSHIP WORKSHOP
Clear Creek Outdoor Education Center, October 1-3, 1982
APPLICATION FORM

Following this PLT Leadership Workshop, I propose to offer a PLT workshop for (specify school, organization, district, etc.):

NAME _____

MAILING ADDRESS _____

ZIP _____

Approximate date: _____

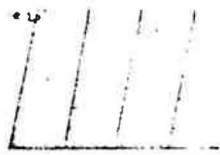
OCCUPATION: _____

PHONE () (home or work?) I have / have not yet contacted representatives of this group to discuss the possibility of my offering a PLT workshop for them.

_____ I have enclosed my \$5 registration fee.

(Please complete reverse side.)

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CALIFORNIA URBAN FORESTS COUNCIL

811 Sutter Street
Suite 200
San Francisco, California 94108
Telephone 415 / 956-0410
October 20, 1982

Eddie Albert
HONORARY CHAIRMAN

BOARD OF DIRECTORS

James Geiger, President-Elect
Richard G. Reid, President
Robert Johnson, Secretary
Loren Good, Treasurer
Durrel A. Maughn
Jill Swift
Gary Smith
George Stone
Herb Spitzer, Corresponding Secretary

TO: ALL C.U.F.C. MEMBERS
FROM: BOB JOHNSON, SECRETARY
SUBJECT: AGENDA FOR NOVEMBER 10, 1982 MEETING
LOCATION: LOS ANGELES COUNTY FIRE DEPARTMENT - FIRE CAMP #2
(See attached map)

1. Call to order and introductions
2. Approve minutes
3. Treasurer's report
4. Report from the National Urban Forestry Conference
(Reid to open discussion, and all who attended contribute)
5. Grant projects
 - a. Seminar (Howitt) WESNA 11/10
 - b. Newsletter (Geiger)
 - c. Nursery (Maughan)
6. Planting projects (Spitzer)
7. Membership program (Alworth)
8. Forest intern program (Smith)



SOCIETY OF AMERICAN FORESTERS

Representing the Forestry Profession in America

5400 GROSVENOR LANE • BETHESDA, MARYLAND 20814 • (301) 897-8720

March 17, 1983

Mr. Herman Weskamp
Mt. San Antonio College
SAF Student Chapter
1100 N. Grand Avenue
Walnut, California 91789

Dear Herman:

Thank you for your letter and encouraging words about the SAF display that you were able to use in late February. The demand for the display has been tremendous and we are hopeful that it is doing the type of job in other parts of the county that it has done for you in California.

Thank you again for your note.

Sincerely,

Philip V. Petersen
Director of Information

PVP:cjb

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SAF NATIONAL CONVENTIONS

- 1983 • October 16-19 • Portland Marriott/Portland Hilton • Portland, Oregon
- 1984 • August 5-8 • Hilton International Quebec • Quebec City, Canada
(Hosted by Canadian Institute of Forestry)
- 1985 • July 28-31 • Colorado State University • Ft. Collins, Colorado

TREE MANAGEMENT SEMINAR
Coming in October!



Eric Oldar
c/o California Dept. of Forestry
P. O. Box 1067
Riverside, CA 92502

Sept 24
Desney



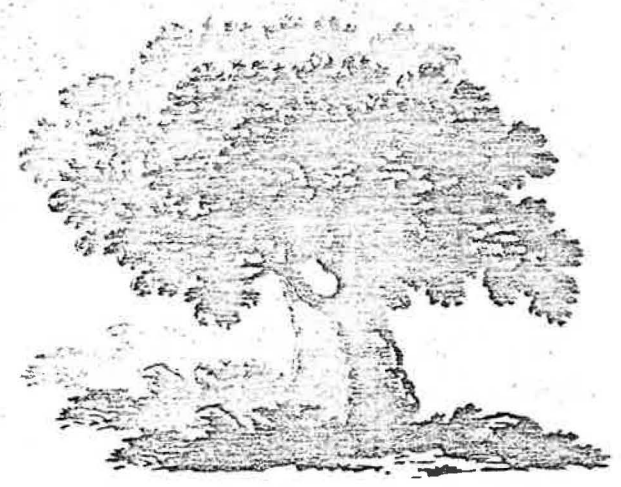
A Cooperative Program Jointly Sponsored
by the University of California Cooperative Extension
and the California Department of Forestry.

Tree Management Seminar for

- | | | |
|----------------|------------|-----------|
| Arborist | Suppliers | Educators |
| Landscapers | Nurserymen | Students |
| Park Personnel | Groundsmen | Foresters |

Thursday, October 7, 1982
8:30 a.m. - 5:00 p.m.

University of California
University Theatre
Riverside, California



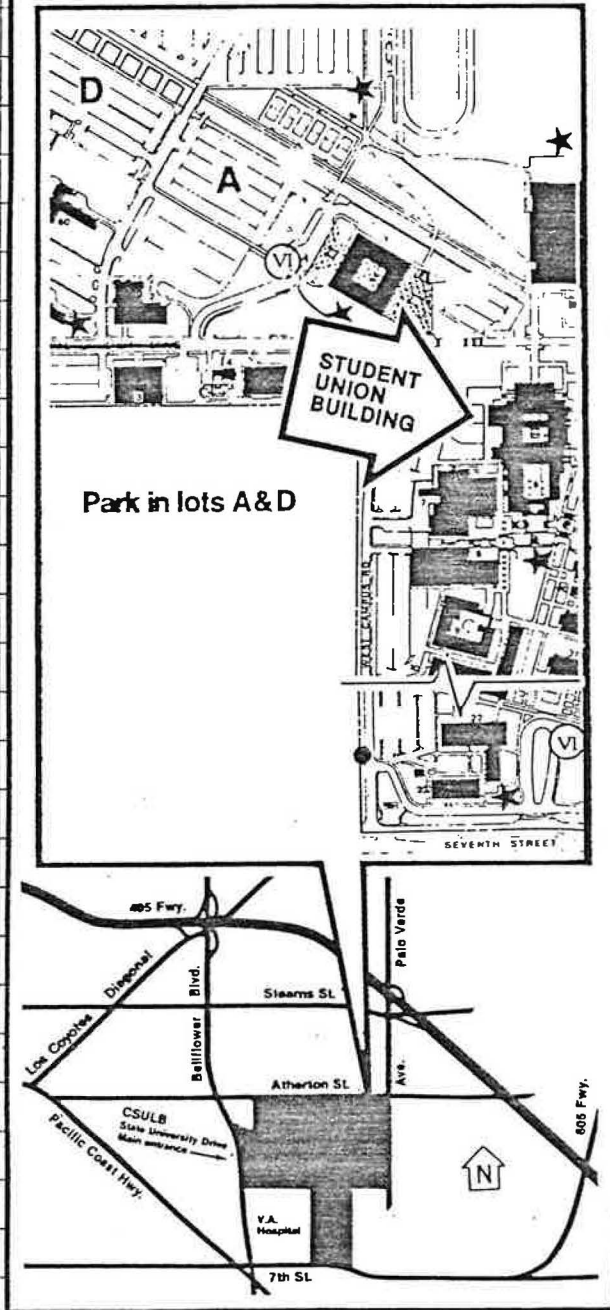
4th Mon of Aug
LA Parents
8:30 a.m. - 5:00 p.m.

U.C. - Knowing what is there -
Meeting at 7 P.M.

Aug 4th Tues.
2nd full spec Urban Forestry
4th Thurs
23rd Sept -
each month

Centrally located on the CSULB campus, both the conference and trade fair will be held in the Student Union Building.

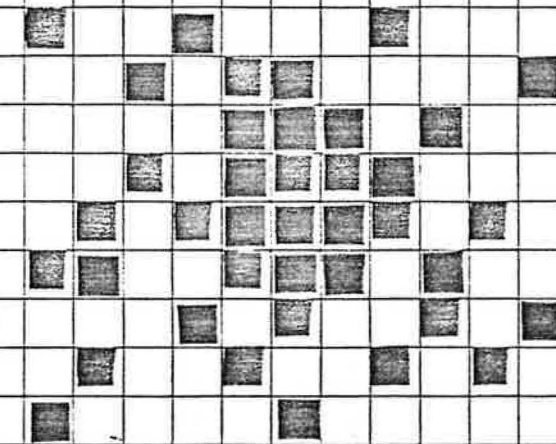
Ample parking will be available for those in attendance.



Computers in Urban Pest Management

CONFERENCE AND TRADE FAIR

THURSDAY, JUNE 2, 1983



PRESENTED BY
CALIFORNIA STATE UNIVERSITY,
LONG BEACH AND
TARGET CHEMICAL COMPANY

APPENDIX 13

CALIFORNIA
URBAN
FORESTS
COUNCIL

WHAT IS CUFC?

The California Urban Forests Council (CUFC) is a non-profit corporation composed of a coalition of the nation's forest products industries; Los Angeles city and county schools; federal, state and county forestry agencies; private businesses; environmental groups; community agencies; and individuals working together to provide urban forestry programs that improve the "quality of life" for all Californians.

GOALS AND OBJECTIVES

- TO promote the understanding that urban forestry is directly related to the "quality of life" in our cities.
- TO increase urban awareness of the benefits of trees as a renewable resource.
- TO organize volunteers for the purpose of developing urban forests and greenbelts that will improve our style of life.
- TO design and implement effective programs and projects that will increase the functional and social benefits of planting trees in our urban centers.
- TO improve communications between educators, foresters, and industry for the purpose of providing more effective educational programs and services for people.
- TO promote public appreciation and respect for trees in terms of:
 - Air Pollution Control
 - Climate Modification
 - Community Welfare
 - Community Wood Supplies
 - Erosion Control
 - Oxygen Production
 - Recreation
 - Scenic Beauty
 - Water
 - Wildlife Habitat

For membership in CUFC, please complete and return this form with your check to:

CALIFORNIA URBAN FORESTS COUNCIL
3317 Bellevue Ave.
Los Angeles, CA 90026

NAME _____ POSITION _____

COMPANY _____ PHONE # () _____

ADDRESS _____
Street City State Zip

Please enroll me for one year:

_____ Individual - \$10.00	_____ New
_____ Organization - \$25.00	_____ Renewal

APPENDIX 14

This Memorandum of Understanding is entered into between the California Urban Forests Council (CUFC) and the Urban Forestry Renewal Council (UFRC).

WHEREAS, the CUFC has entered into an agreement with the State of California under Section 4799.10(a) of the Public Resources Code whereby the CUFC will be reimbursed upon the satisfactory completion of certain urban forestry projects; and

WHEREAS, at the April 14, 1982, meeting of CUFC, the President was authorized to enter into an agreement with the UFRC whereby that organization would complete the project described in the basic agreement "Seminar: Urban Trees Enrich Human Ecology - A Management Plan," attached herewith.

Now, THEREFORE, BE IT RESOLVED that:

1. The UFRC hereby agrees to
 - a. Develop and implement a seminar package that meets the objectives delineated in the agreement between the State of California and the CUFC titled "Seminar: Urban Trees Enrich Human Ecology - A Management Plan."
 - b. Keep appropriate records and make them available for inspection by a representative of the CUFC or the State of California as needed.
 - c. Comply with terms 5, 6 and 7 of the basic agreement between the CUFC and the State of California attached herewith.
 - d. Apply for payment of expenses and compensation in a timely manner.³
 - e. Submit a project completion report as required by term 3 of the basic agreement between the CUFC and the State of California.
2. The CUFC hereby agrees to
 - a. Pay to the UFRC on request as compensation for labor and expenses a sum not to exceed \$10,000. Reimbursable costs include, but are not limited to:

- (1) Consultant fees
 - (2) Secretarial services
 - (3) Printing, graphic art work
 - (4) Mileage at \$.22 per mile
 - (5) Equipment rental
 - (6) Postage and telephone
- b. Forward promptly to the State of California all applications for payment with a recommendation for approval or disapproval and promptly notify the UFRC of the recommendation.
- c. Reimburse the UFRC promptly upon receipt of payment from the State of California.

Approved:

California Urban Forests Council

Urban Forestry Renewal Council

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

APPENDIX 15

PROJECT 275
TRI-CITY TREE PLANT

Final Report

The following information has been organized in table format, as per request from the California Department of Forestry. All information has been condensed to alleviate a long, extensive report; but all records are available for audit.

A. Project Implementation

7-25-83

1. After state and local approval of the project, a meeting was held to determine where the trees were to be planted, who would be responsible for supervision, transportation requirements, planting techniques, medical and safety requirements, and local city needs. At this meeting, it was determined that each city would provide to the project director a list of tree species needed in priority order and that the project director would purchase the trees. It was also decided that we would start work on 7-29-83 and that the localities would provide transportation for the crews and daily supervision. The city officials also indicated that all employees would be hired through the project director.
2. Criteria for job qualifications were established and interviews were initiated on 7-26-83. The project director and assistant director interviewed 53 people to fill available positions. Positions available were: 3 crew leaders, 24 tree planters. All employees were notified by 7-27-83 to report to an orientation beginning at 8:00 a.m. 7-29-83. After the interviews were completed, crew leaders were selected based on their qualifications as leaders and having some experience and expertise in planting trees. A copy of the interview questions is included. See Attachment A.

7-29-83 & 8-1-83

3. Employee orientation was held at MSAC. The loyalty oath was taken, and all working hours, procedures, paydays, etc. were explained. The orientation days were used to instruct employees on proper planting procedures, pruning techniques, soil preparation, and safety procedures. We also familiarized them with their work locations.

8-2-83

All crews reported to their work stations, Covina City Yard, La Puente City Yard, and Walnut City Yard. Crew leaders were given time books and daily logs. All hours and work assignments were recorded in these logs. See Attachment B. The project director and assistant director communicated on a daily basis with the crew super-

visors to see that supplies were available and crew members were reporting to work.

4. Simultaneously, the project director prepared price quotes for trees and supplies needed. Very simply, the first group of trees were purchased on a price quote so as to be able to get our crews working. All materials were purchased from small businesses, as per project requirements. The remainder of the materials were purchased through the bid process. There were very few problems obtaining materials, and all went well.

8-3-83

The first shipment of trees arrived, and the crews started planting them that same day. On interim days, when trees were not available, the crews worked on cleanup and soil preparation.

B. Project Results.

The project had many positive results, many of which will contribute to the future of urban community forestry. Following is a list of accomplishments and results:

1. Of the 500 projected trees to be planted, over 700 were purchased and planted.
2. We projected for 27 positions and actually hired 30 unemployed persons who accumulated 5,972 hours of work from 7-29-83 to 9-9-83.
3. In addition to planting, staking, cleaning up and preparing planting sites, our crews communicated on a regular basis through door-to-door contact and brochures with the local citizens. We feel this enhanced the planting operation and helped us accomplish our task.
4. We feel our final results were:
 - a. Replacing trees that would otherwise not be replaced because of a lack of funds.
 - b. Employing persons who would otherwise have gone without income for the summer.

COVINA TREE PLANT

Daily Log

<u>Date</u>	<u>Activity</u>
7-29	Cleaned up in front of Bldg. 12 to get ready to plant. Tree orientation.
8-1	Arranged trees at school till noon. Went to Covina and passed out flyers to recipients of trees.
8-2	Picked up branches and cleaned up along Hollenbeck. Then we passed out more flyers.
8-3	Trimmed oleanders on Rancho Grande. Received first shipment of trees. Passed out a few flyers.
8-4	Planted trees. Planted 10 crepe myrtles. Picked up fallen branches. Checked diseased tree and almost finished passing out flyers.
8-5	Planted 10 more crepe myrtles. Trimmed trees. Lisa got her finger cut.
8-8	Planted ten crepe myrtle.
8-9	Rain! Planted two trees; moved one. Picked up fallen branches the rest of the day.
8-10	Planted 17 trees.
8-11	Planted trees and picked up branches - Liquidamber and maple.
8-12	Planted 8 trees. Weeded Grondahl on west side at Azusa.
8-15	Planted eight maples and then trimmed trees and removed branches.
8-16	Planted 14 crepe myrtle today before the rain.
8-17	Planted eight magnolias and cleaned up Rimsdale. Also picked up fallen branches from storm.
8-18	Field work - all over. Picked up branches.
8-19	Planted trees and weeded.
8-22	Cleaned up along Rowland and planted crepe myrtle trees.
8-23	Planted trees but mostly picked up branches and cleaned up along Covina Blvd.
8-24	Planted trees.

- 2 -
- 8-25 Planted trees.
 - 8-26 Planted trees.
 - 8-29 Weeded parkway in front of bowling alley almost all day.
Handed out rest of the flyers.
 - 8-30 Planted trees.
 - 8-31 Planted trees.
 - 9-1 Planted trees.
 - 9-2 Planted trees
 - 9-6 Planted crepe myrtles. (Trees finally came.)
 - 9-7 Girls out - Planted all over.
 - 9-8 Planted trees all over. Checked plantings.
 - 9-9 Finished up planting.

LA PUENTE TREE PLANT

Daily Log

<u>Date</u>	<u>Activity</u>
7-29	Worked around farm shop pulling weeds. Loaded wood and took it to park. Met crew and showed them proper way to sharpen tools and plant trees. Planted trees between Farm Shop and pasture.
8-1	Pulled weeds at Forestry nursery. Went to La Puente City Hall. Checked out planting areas on N. Sandia. Went over procedures with La Puente. Hauled trees and removed cut-down tree at OH Unit.
8-2	Went to downtown La Puente and cleaned up weeds in tree wells and around parkways.
8-3	Planted trees on Sandia. Dug 23 holes. Planted 15 trees.
8-4	Planted 18 trees. Staked trees.
8-5	Planted 15 trees. Watered all previously-planted trees.
8-8	Planted 17 trees. Watered block from Temple to Orange.
8-9	Planted trees. Day shortened because of rain.
8-10	Weeded and planted along Hacienda. Planted 14 trees.
8-11	Planted eight trees and checked tree wells along Hacienda. Finished weeding.
8-12	Planted ten trees. Passed out flyers. Removed suckers on trees between Maplegrove & Amar on west side of Hacienda.
8-15	Weeded. Went home early because of rain.
8-16	Planted 14 trees. Weeded and cleaned up.
8-17	Planted 15 trees. Weeded and finished planting.
8-18	Dug holes for four trees. Some delay due to rain.
8-19	Cleaned weeds. More rain.
8-22	Dug six holes. Planted ten trees. Finished weeding on Stimson. Also weeded on Second.
8-23	Weeded on Central & Abbey by Valley. Checked all trees previously planted by crew.

- 8-24 Finished weeding on Central & Abbey.
- 8-25 Weeded on Evanwood, Temple, and replanted two trees on Sandia.
- 8-26 Weeded on Old Valley and Temple.
- 8-29 Weeded and picked up trash at La Puente Park.
- 8-30 Weeded at La Puente Park and picked up trash.
- 8-31 Checked trees that were previously planted. Weeded at La Puente Park and City Hall.
- 9-1 Planted six trees. Weeded at City Hall. Picked up trash and weeded at La Puente Park.
- 9-2 Weeded baseball fields at La Puente Park
- 9-6 Picked up trash at La Puente Park. Weeded at City Hall.
- 9-7 Planted one tree. Watered trees in 5-gallon containers. Weeded and trimmed at La Puente Park.
- 9-8 Planted one tree at La Puente Park. Pruned and cleaned up shrubs throughout the city. Turned on sprinklers at City Hall and throughout the city. Weeded at La Puente Park.

WALNUT TREE PLANT

Daily Log

<u>Date</u>	<u>Activity</u>
7-29	Worked at Farm Shop.
8-1	Dug out 20 tree stumps, cleaned weeds and trash.
8-2	Dug out more tree stumps.
8-3	Watered holes and trees.
8-4	Planted 36 trees.
8-5	Planted 16 trees. Staked all trees.
8-8	Filled dirt in pipe trench.
8-9	Planted trees and worked in park.
8-10	Planted trees and worked in park.
8-11	Trimmed trees in parks.
8-12	Planted trees in yards.
8-15	Planted trees in four yards. Took down fence.
8-16	Planted trees and weeded.
8-17	Weeded bank.
8-18	Worked three hours, then rained out.
8-19	Staked trees. Cleaned up road.
8-22	Cleaned out gutters and trimmed trees.
8-23	Cleaned out gutters and trimmed trees.
8-24	Planted four liquidamers and cleaned up.
8-25	Trimmed 40 street trees.
8-26	Trimmed trees. Cleaned up yards.
8-29	Trimmed 52 street trees.
8-30	Removed two large street trees and filled in holes.
8-31	Finished removing large trees and filled in holes.
9-1	Planted nine trees.

- 9-2 Planted trees
- 9-5 Planted gazanias on slope.
- 9-6 Weeded. Planted trees.
- 9-7 Weeded and planted trees.
- 9-8 Weeded. Picked up 20 trees and planted them.
- 9-9 Weeded. Picked up 20 trees and planted them.

PROJECT 272
MSAC TREE PLANT & DEMONSTRATION FOREST

Final Report

A. Project Implementation

1. After state and local approval, the project director held a meeting with the grounds supervisor and the farm manager to organize tree replacements and installation. It was decided that the project director would be responsible for hiring employees and implementing the work plan. The grounds supervisor will provide a plot plan of what trees should be removed and where replacement trees were needed. Transportation, tools, and equipment will be provided by the school.
2. Criteria for job qualifications were established and interviews were initiated on 7-26-83. The project director and assistant director interviewed people to fill available positions: 2 supervisors and 15 tree planters. All employees were notified by 7-27-83 to report to an orientation beginning at 8:00 a.m. on 7-29-83. Crew leaders were selected based on their qualifications as leaders and having some experience and expertise in planting trees. A copy of the interview questions is included. See Attachment A.
3. Employee orientation was held 7-29-83 and 8-1-83 at the OH Unit and the Farm Shop at MSAC. The loyalty oath was taken, and all working hours, procedures, paydays, etc. were explained. The orientation days were used to instruct employees on proper planting procedures, pruning techniques, soil preparation, and safety procedures. They were also familiarized with their work locations.

On 8-2-83, all crews reported to their work stations, the Farm Shop and the OH Unit. Crew leaders were given time books and daily logs. All hours and work assignments were recorded in these logs. See Attachment B. The project director and assistant director communicated on a daily basis with the crew supervisors to see that supplies were available and crew members were reporting to work.

4. Simultaneously, the project director prepared price quotes for trees and supplies needed. The first group of trees were purchased on a price quote so as to be able to get our crews working. All materials were purchased from small businesses, as per project requirements. The remainder of the materials were purchased through the bid process. There were very few problems obtaining materials,

and all went well. The first shipment of trees arrived on 8-3-83, and the crews started planting them that day. On interim days, when trees were not available, the crews worked on cleanup and soil preparation.

B. Project Results

The project had many positive results, many of which will contribute to the future of urban community forestry. Following is a list of accomplishments and results:

1. Of the 1,750 trees projected to be planted, 1,789 were actually planted.
2. We projected 2 supervisors and 15 tree planters would be needed. We actually hired 2 supervisors and 17 tree planters, who accumulated a total of 3,192 hours of work from 7-29-83 to 9-9-83.
3. We feel our results were:
 - a. Replacing trees that otherwise would not have been replaced because of a lack of funds.
 - b. Employing persons who otherwise would have gone without income for the summer.

MSAC TREE PLANT CREW

Daily Log

<u>Date</u>	<u>Activity</u>
7-29	Orientation and campus park clean-up.
8-1	Clean up tree part of nursery and arrange trees accordingly.
8-2	Arrange trees - move boxed trees.
8-3	Unload 15-gallon crepe myrtles and move boxed trees at nursery.
8-4	Remove and cut up acacias at Parking Lot F. Trim oleanders to three feet at Parking Lot F.
8-5	Cut oleanders from 15 feet down to three feet. Haul branches to dump and clean up for weekend.
8-8	Weeded Parking Lot F and started planting 25 Carolina cherries.
8-9	Planted 50 Carolina cherries. Used backhoe in Parking Lot F.
8-10	Planted 75 Carolina cherries. Cleaned Parking Lot F. Dug 26 holes by football field.
8-11	Planted 26 5-gallon cherries at football field. Hoed north end at Bonita Drive and east end of Mountaineer Drive.
8-12	Weeded Horse Unit of thistles. Weeded orchard. Watered, fertilized Parking Lot F.
8-15	Cleaned up trash in orchard in the morning. Planted boxed trees on campus in the afternoon.
8-16	Watered and planted in the morning. Cut eucalyptus and acacia in the afternoon.
8-17	Cut down wrong acacia tree in morning - Cleaned up eucalyptus hole and stumps in the afternoon.
8-18	Moved Forestry Nursery up to Horticulture Unit.
8-22	Cut down aleppo Pine stumps and made a mess between Bldg. 16 and 17 with auracarias.
8-23	Removed auracaria trees.
8-24	Removed auracaria stumps. Removed aleppo pine and cleaned up. Restaked all trees with double staked. Got all pipes and stumps by sunburst.

- 8-25 Double-staked trees. Planted tulip trees and one myrtle. Filled monkey puzzle holes. Cut aleppo stumps at Bldg. 26 and 27. Planted two more pines
- 8-26 Planted four pines by Bldg. 15 and 16. Sharpened chain saws. Watered Parking Lot F. Finished moving Forestry Nursery.
- 8-29 Cut acacia behind Bookstore, plus catalina cherry and podocarpus. Cut four citrus trees and worked on Christmas tree plantation.
- 8-30 Turned soil over and drained and re-filled pond at L. A. County Fair display. Also graded soil, painted building, and made a brick retaining wall.
- 9-1 Chipped up citrus trees in the morning. Planted trees at football field in the afternoon.
- 9-2 Chipped in the morning and planted 15-gallon trees on campus and watered in the afternoon.
- 9-5 Planted 15-gallon liquid amber (15) and 5-gallon (3) by Beef Unit. Fell monterey pine and planted 3 15-gallon in the park.
- 9-6 Cut lemon trees to eight feet in orchard. Watered plants and cut eucalyptus by the stadium.
- 9-7 Removed pine tree by Bldg. 26. Picked up lily pads in Ontario and hooked up pump to pond at fair.
- 9-8 Cut stumps to ground level on campus and removed pine tree stump by Bldg. 26. Cut firewood by Christmas tree farm. (Trip to Carson, American Plant Growers, for fair.)
- 9-9 Planted one pine. Made two window boxes and cleaned chain-saws.

MSAC DEMONSTRATION FOREST

Daily Log

<u>Date</u>	<u>Activity</u>
7-29	Orientation. Meeting with Hewitt. Tree plant demonstration. Weeded. Landscaped ag banquet platform.
8-1	Another orientation and oath. Moved 15-gallon trees.
8-2	Moved 5 and 15 gallon trees and straightened rows.
8-3	Moved boxed trees and watered. Moved 15-gallon shrubs. Bill hurt his back: left work at 11:30.
8-4	Weeded; moved trees; unloaded tree delivery.
8-5	Cleaned up area behind greenhouse. Straightened boxed trees. Installed drip irrigation and watered.
8-8	Worked on drip irrigation and weeded behind greenhouse.
8-9	Weeded, straightened trees, and spread chips.
8-10	Staked trees, raked chips, watered st. trees, and planted 19 aleppo pines.
8-11	Worked on drip irrigation, staked trees, and watered. Finished moving 5 and 15 gallon trees and weeded back side of nursery.
8-12	Staked trees. Straightened rows of 5 gallon trees and planted 5 gallon trees and watered.
8-13	Watered.
8-14	Watered.
8-15	Straightened rows.
8-16	Straightened rows, trimmed shrubs, and watered.
8-17	Watered, straightened rows, and trimmed shrubs.
8-18	Worked one hour - rain.
8-22	Planted trees.
8-23	Planted trees.
8-24	Planted trees.
8-25	Planted trees.

- 8-27 Watered.
- 8-29 Planted trees.
- 8-30 Planted trees.
- 8-31 Planted trees. Moved ag pipes over to water Christmas trees.
- 9-1 Watered with ag pipe. Planted last three rows of trees. Cleaned up.
- 9-2 Installed drip irrigation.
- 9-6 Put in main line. Straightened nursery.

TO : RECREATION AND PARKS COMMISSION

FROM : DAVID J. ROGER
PARK SUPERINTENDENT

SUBJECT: FINAL REPORT ON TREE GRANT

City of West Covina
Memorandum

November 9, 1983

The Maintenance Department is pleased to submit the following report on its successful implementation and completion of the \$42,200 Grant from the Park Restoration and Urban Reforestation Program. We propose to concentrate our efforts on the tree wells throughout the City. We proposed to plant approximately 422 trees, trim others, remove severely damaged and dead ones, repair irrigation, weed wells, and install tree well covers.

The project was begun by using interns to do the purchasing of materials and the recruitment of workers. As these laborers came on board, they began to weed wells and to trim the trees in them. As the materials began arriving, we brought the contractor on board. He concentrated in the southern end of the City while the in-house workers we hired worked in the northern area. The first step was to check out all of the wells that had irrigation and to make the necessary repairs. Then all trees that were designated for removal were taken out and we began planting trees.

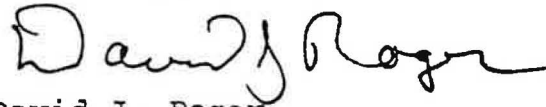
Our only unanticipated problem began almost immediately when we experienced an unusual heat wave and we had to spend considerable time watering both the planted and unplanted trees. The City hired a total of 12 employees for this project. We began supervising this project with existing staff and then hired a leadman mid-way through the project for a total of 2,662 man hours.

The contractor hired 5 employees to complete his portion of the project and he used his existing foreman to supervise their work. They put in a total of 1,326 man hours.

We did deviate slightly in the final completion of the job. Because of the formal bid process, the purchase and delivery of the tree grates was delayed. The grates arrived after the end of this project. However, we were able to prepare all tree wells for the grates by adding 3" of gravel to each well. In addition to this, because of good purchasing we were able to buy and plant an additional 76 trees from the Grant plus an additional 254 trees from other City money for a total of 752 trees planted.

The Maintenance Department was enthusiastic about the opportunity to make use of this jobs bill money as evidenced by the amount of commitment and support that was given to this project.

Sincerely,

A handwritten signature in cursive script that reads "David J. Roger". The signature is written in dark ink and is positioned above the typed name.

David J. Roger
Park Superintendent

DJR:bb
Attachments

APPENDIX 16

AGREEMENT

THIS AGREEMENT made and entered into this 1st day of January, 1982, by and between the State of California, through its duly appointed and qualified Director of Forestry, hereinafter called "State" and California Urban Forests Council hereinafter called "Participant".

WHEREAS, under Section 4799.10(a) of the Public Resources Code the Director of Forestry may enter into agreements and loans may be made with eligible Participants; and

WHEREAS, Participant has submitted a proposal that qualifies in accordance with criteria established by the State under Chapter 9.7 of Title 14 of the California Administrative Code.

NOW, THEREFORE, BE IT RESOLVED that:

1. In consideration of the promises made by the Participant herein, State will provide funds for the purposes of undertaking urban forestry projects in urban areas or areas adjacent to the urban area it is intended to serve. The maximum amount of reimbursement is the amount stated in the "Project Summary", attached hereto and made a part hereof.

2. Participant shall keep such records as State shall prescribe, including records which fully disclose the disposition by Participant of the proceeds of such assistance, the total cost of the project in connection with such assistance that is given or used, and the amount and nature of that portion of the cost of the project supplied by Participant and other sources, as well as such other records as will facilitate an effective

audit. All such records shall be made available to State for auditing purposes as reasonable times. Such accounts, documents, and records shall be retained by Participant for at least three years following project termination.

3. Participant shall promptly submit reports at intervals and in such form as State may request, provided, however Participant shall submit a completion report in a format acceptable to State, no later than at the end of the project period.

4. Payment by State shall be made quarterly upon receipt of an itemized invoice in triplicate sent to:

California Department of Forestry
2524 Mulberry Street
Riverside, CA 92502

Attention: Resource Manager

Provided, however Participant shall submit a final itemized invoice no later than 60 days after completion of the project.

5. In the performance of this contract, the Participant will not discriminate against any employee or applicant for employment because of race, color, religion, ancestry, sex, age, national origin, or physical handicap. The Participant will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, ancestry, sex, age, national origin or physical handicap. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for

training, including apprenticeship. The Participant shall post in conspicuous places, available to employees and applicants for employment, notices to be provided by State setting forth the provisions of this Fair Employment Practices section.

6. The Participant will permit access to his/her records of employment, employment advertisements, application forms and other pertinent data and records by the State Fair Employment Practices Commission, or any other agency of the State of California designated by the awarding authority, for the purpose of investigation to ascertain compliance with the Fair Employment Practices section of this agreement.

7. Remedies for Willful Violation:

(a) The State may determine a wilful violation of the Fair Employment Practices provision to have occurred upon receipt of a final judgement having that effect from a court in action to which Participant was a party, or upon receipt of a written notice from the Fair Employment Practices Commission that it has investigated and determined that the Participant has violated the Fair Employment Practices Act and has issued an order, under Labor Code Section 1426, which has become final, or obtained an injunction under Labor Code Section 1429.

(b) For wilful violation of this Fair Employment Practices provision, State shall have the right to terminate this agreement either in whole or in part, and any loss or damage sustained by State in securing the

goods or services hereunder shall be borne and paid for by the Participant. State may deduct from any monies due or that thereafter may become due to the Participant, the difference between the price named in the agreement and the actual cost thereof to State.

8. Work started prior to the execution of this agreement will not be eligible for funding under the terms of this agreement. Project costs eligible for assistance shall be determined upon the basis of the criteria set forth in Chapter 9.7 of Title 14 of the California Administrative Code.

9. The Participant agrees to make immediate monetary restitution of any advanced funds for any disallowances of costs or expenditures or unauthorized activities which are disclosed through audit or inspection by State.

10. Participant shall permit periodic site visits by a representative of State to ensure work progress is in accordance with the approved project, including a final inspection upon project completion.

11. Participant agrees to indemnify, defend and save harmless State, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, materialmen, laborers, and any other person, firm or corporation furnishing or supplying work, services, material or supplies in connection with the performance of this contract and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged by

the Participant or any agent or employee of Participant in the performance of this agreement. The Participant, and the agents and employees of Participant, in the performance of this agreement, shall act in an independent capacity and not as an officer or employee or agent of State.

12. This agreement may be amended, or terminated by mutual consent, provided however, this agreement may be terminated by State upon the giving of written notice to the Participant thirty (30) days in advance.

13. Failure by the Participant to comply with the terms of this agreement may be cause for the suspension of all obligations of State. State may terminate this agreement and be relieved of the payment of any consideration to Participant should Participant fail to perform the covenants herein contained at the time and in the manner herein provided. In the event of such termination State may proceed with the work in any manner deemed proper by State. The cost to State shall be deducted from any sum due Participant under this agreement, and the balance, if any, shall be paid Participant upon demand.

14. Without the written consent of State, this agreement is not assignable by Participant either in whole or in part. IN WITNESS WHEREOF, this agreement has been executed as of the date first written herein above.

APPROVED:

STATE OF CALIFORNIA

By: Loyd Forrest
LOYD FORREST
DEPUTY DIRECTOR
Title: DEPARTMENT OF FORESTRY

W. H. Hamann
Department of Finance

PARTICIPANT

By: Richard G. Reid
Title: President

General Fund, P. 7. 91-23
Chapter 99, Item 001-001 701
3-2 21200 228.00
\$5,000
3-3 21200 228.00
\$15,000

APPENDIX 17

OBJECTIVES
and
POLICIES

THE PLAN FOR GOLDEN GATE PARK
ADOPTED MAY 24, 1979 RESOLUTION NO. 11678

SAN FRANCISCO RECREATION AND PARK DEPARTMENT

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OBJECTIVE I .

ACKNOWLEDGE GOLDEN GATE PARK'S CONTRIBUTION TO THE DIVERSITY OF CULTURAL AND RECREATIONAL ACTIVITIES AVAILABLE TO RESIDENTS OF SAN FRANCISCO AND THE BAY REGION: RECOGNIZE THE PARK'S IMPORTANCE AS AN AMERICAN CULTURAL RESOURCE.

The majestic beauty of the Park landscape, its cultural institutions, and its diverse recreational facilities attract a population more dispersed and numerous than that contained within the city itself. The Park provides a dynamic context for a blending of historical, cultural, and social values to meet basic human needs for beauty, tranquility, recreation, and enrichment. These unique qualities must be safeguarded for the well being and enrichment of future generations.

POLICY A

Assure that Golden Gate Park continues to play a dominant role in the overall scenic, cultural, and recreational environment that characterizes the city of San Francisco.

1. The primary function of the Park should be to provide leisure opportunities to all residents and visitors which are appropriate to, and sensitive towards, the Park's unique, century-old horticultural design.
2. The use of the Park should complement and be complemented by activities in other city, regional, and national recreation areas.
3. Golden Gate Park and adjoining areas, including the Golden Gate National Recreation Area, Lake Merced, and Lincoln Park, should be coordinated to achieve continuity of service between each area; development of efficient interpark transport should be a primary concern.
4. Recreational needs of neighborhoods adjacent to Golden Gate Park should be accommodated on neighborhood park sites.
5. Future development or design modifications within Golden Gate Park should not adversely affect the adjacent neighborhoods.

POLICY B

Urge that urban development as it occurs adjacent to Golden Gate Park be consistent with the unique qualities of the Park.

1. As the intensity of development increases it should not visually intrude upon the Park.
2. The Park should be protected from further encroachment by additional roadways.

POLICY C

Recognize that Golden Gate Park, although composed of many distinct parts and features, has, through its evolution and development, achieved completion as a unified entity.

1. All activities, features, and facilities in Golden Gate Park should be subordinate to the present design and character of the Park.
2. Where new recreational or cultural buildings are required for the enhancement of city-wide recreation resources, they should be located outside of Golden Gate Park.
3. No changes or alterations to any Park feature should occur without consideration of the Park wide effects; emphasis should only be given to activities which do not diminish open space.

OBJECTIVE II

PROVIDE FOR THE PROTECTION AND RENEWAL OF THE PARK LANDSCAPE.

"A park...should be an agglomeration of hill and dale, meadow, lawn, wood and coppice presenting a series of sylvan and pastoral views, calculated to banish all thoughts of urban objects, and lead the imagination to picture space beyond as a continued succession of rural scenes and incidents."

William Hammond Hall

November 30, 1873

POLICY A

Ensure that the essential design elements that give the Park its unique landscape character are retained and protected.

1. The major design feature of Golden Gate Park and the framework within which all Park activities occur is its pastoral landscape; the integrity of that basic design must be maintained, and most importantly, remain unaltered.
2. The existing form of wooded areas and their relationship to meadow areas should be maintained; the size, basic texture, and color of Park woods should not be significantly altered nor should the size of meadows be reduced by the introduction of additional trees.
3. It should be recognized that the Park, by design intent, is basically evergreen; large-scale introduction of deciduous or "flowering" trees in areas other than traditional horticultural gardens should be discouraged.
4. Park horticultural gardens and formally landscaped areas provide the contrast and picturesque qualities essential to complete the Park experience; the historic location and traditional horticultural usage of these features should be maintained and protected from encroachment.
5. It should be recognized that, because the Park's unique landscape character is a wholly artificial creation, its care and maintenance is highly labor intensive. Sufficient numbers of qualified personnel must be retained to ensure the Park's continued preservation and maintenance.
6. To ensure the continuity of the Park's essential landscape elements, a position should be established within the Recreation and Park Department in the area of landscape architecture and urban forestry to coordinate and guide landscape plans and horticultural modifications within the Park.

POLICY B

Develop a long-range plan for effective management of the Park's forested areas.

1. A forest management plan for Golden Gate Park should be based on the following objectives:
 - a. Develop and maintain on a continuous basis a comprehensive and appropriately detailed inventory of all wooded areas.
 - b. Develop and maintain, on a continuous basis, a program to implement long-term reforestation and horticultural maintenance.
 - c. Develop appropriate wood-waste recycling and utilization programs.
2. The management plan should complement existing Park reforestation programs by focusing on:
 - a. Immediate rehabilitation of the Park's windbreaks.
 - b. Removal of hazardous, diseased and dying trees; and replacement with appropriate tree species.
 - c. The replacement and maintenance of Park perimeter landscape screening.
3. Additional consideration should be given to aesthetics, wildlife habitat requirements, noise control, and appropriate recreational use.

POLICY C

Develop new irrigation water supplies and improved water distribution and application systems.

1. Provide consistent water pressures and volumes.
2. Improve and maintain existing well system; where feasible, restore inoperative wells.
3. The proposed Southwest Sewage Treatment Plant will generate large quantities of reclaimed waste water. This effluent, with additional treatment, should be used for parkland irrigation. Coordination between the Recreation and Park Department and other affected agencies would facilitate use of reclaimed water to irrigate Golden Gate Park, Lake Merced, Lincoln Park, the Great Highway, and the Golden Gate National Recreation Area.
4. Convert meadow areas, playfields, and where feasible, large scale ornamental plantings to automated irrigation systems.

POLICY D

Establish designated areas of the Park's cultivated landscape as "Naturalistic Parkland" to preserve and protect the pastoral character of the Park and to ensure the retention of Park open space.

1. Areas designated as "Naturalistic Parkland" should include the Park's woodlands, scenic lakes, ponds, marshes, water-courses and wildlife habitats.
2. Recreational use of areas designated as "Naturalistic Parkland" should emphasize and encourage appreciation of the Park's pastoral qualities; appropriate activities would include nature walks, birdwatching, photography and educational pursuits.
3. No structures or additional roadways other than those required for maintenance should be allowed within those areas designated as "Naturalistic Parkland"; where possible, existing roads should be removed.

POLICY E

Ensure that gifts accepted for placement in Golden Gate Park will contribute to the historic character of the Park and are compatible with the planted landscape.

1. Because the Park is essentially a completed landscape, additional features tendered to the Park should be carefully reviewed prior to acceptance to assure that they will not diminish the integrity of the basic design.
2. Creation of an endowment fund to allow prospective donors to contribute to the restoration and maintenance of horticultural features and historic monuments should have a high priority.
3. All gift proposals for Golden Gate Park should be in accordance with existing Recreation and Park Commission "Guidelines for Acceptance of Major Gifts", and the policies of the Plan for Golden Gate Park.

OBJECTIVE III
PRESERVE THE OPEN SPACE OF GOLDEN GATE PARK.

POLICY A

Restrict construction of additional recreational or cultural buildings in Golden Gate Park.

1. It should be recognized that additional structures in the Park would disrupt the balance that presently exists between open space for general park use and special uses requiring buildings.

2. Special use facilities--museums, recreation centers, stadiums, restaurants--can usually be justified as having a park location; however, new facilities should be sited in areas other than Golden Gate Park.

POLICY B

Preserve notable Park landmarks of historic, architectural, and aesthetic value; encourage restoration or reconstruction of other buildings and features that provide continuity with the past.*

1. Criteria for judging historic value and design excellence should be developed and applied to all Park features. Desirable features should be rehabilitated or otherwise restored; questionable features should be removed.

2. Special and immediate effort should be made to identify, organize, and preserve existing plans and plan documents related to the design and construction of all significant Park features.

POLICY C

Assure that modification or replacement of existing Park buildings is compatible with the landscape character and historic form of the Park, and does not diminish existing open space.

1. Where replacement of an existing building in the Park is clearly in the public interest, and is compatible with the Park's landscaped environment, it should not exceed the size of the previous structure.

* Definitions: preservation, the retention and repair of existing structures or landmarks, example: the Conservatory; restoration, the more extensive work of returning a deteriorated structure or landmark to a useable condition, example: the Sharon building; reconstruction, the erection of a modern copy of a feature that no longer exists, example: Huntington Falls.

2. Structural modifications resulting in expansion of an existing facility, including The California Academy of Science, the Asian Art Museum and the M.H. deYoung Memorial Museum, should only be considered where:

- a. There is a clearly demonstrated need for a defined service to the public that cannot be met by modifications within the existing building.
- b. Sufficient, detailed proof is available that alternative sites outside the Park have been studied, and that the proposed addition can be located only in the area in question.
- c. The effects on the Park of the proposed addition have been fully assessed to ensure that expansion will not necessitate additional surface parking, access roads, or have a deleterious effect on the Park landscape.
- d. Sufficient effort will be expended to assure the very best architectural quality.
- f. Design plans for any proposed addition will include measures that will minimize visual impacts upon the Park environment.

POLICY D

Provide for the phased removal or relocation of structures or facilities which are not essential for cultural or recreational use within the Park, or for Park maintenance.

1. Until the removal of inappropriate Park structures or facilities occurs, they should be maintained only at levels consistent with existing use and safety. No additions or modifications which extend the current functions of the buildings should be permitted.
2. If a non-recreational structure can be successfully converted to a recreational use without incurring additional vehicular traffic, then re-use could be an alternative to removal.

POLICY E

Encourage development of alternative energy sources and recycling systems that would contribute to efficient management and operation of Golden Gate Park.

1. New structures, or substantially remodeled existing structures, should, where feasible, incorporate solar assisted water and space heating systems, and solar assisted cooling systems.
2. All such systems should be sited and designed in a manner compatible with the landscaped character of the Park, and with any building or structure on which such a facility may be erected or installed.
3. Existing recycling of waste materials, including animal wastes, sewage, and horticultural debris, should be intensified in order to resolve environmental and economic problems associated with Park waste disposal.

OBJECTIVE IV
MINIMIZE VEHICULAR TRAFFIC.

Judicious regulation of vehicular traffic in Golden Gate Park and the gradual elimination of the private automobile as the primary mode of internal Park circulation is a desirable goal. Reducing Park automobile traffic, particularly through traffic, will necessitate changes in established driving patterns within the Park and adjoining neighborhoods. A well-financed internal Park transport system should be designed to effectively and pleasantly convey the Park visitor. Gradual, carefully planned and phased implementation, coordinated with the Department of Public Works and other agencies, will minimize vehicular traffic in a manner that will meet the needs of the Park visitor, protect the Park's environment, and reduce impacts on adjacent neighborhoods. Measures taken to minimize vehicular traffic within the Park should be in accord with the objectives of the Comprehensive Plan of the city of San Francisco.

POLICY A

Restrict non-recreational traffic to designated Park roadways in a manner that fully separates business, shopping, and commute traffic from the Park experience.

1. Established traffic patterns and volumes indicate that Crossover Drive and Kezar Drive should be the basic components of a "designated throughway" system. Private vehicular access to the Park proper should not be permitted from designated throughways.
2. Designated throughways should be screened by vegetation to minimize their visual impact.
3. Where Park circulation systems must cross a "designated throughway", grade separations should be provided.
4. Some provision should be made for cross-Park automobile movement in the western half of the Park; it should be a minor roadway in keeping with the Park's "naturalistic" character.

POLICY B

Reduce the number of Park roadways.

1. Roadways that are not required for access to Park facilities, and are not part of the designated throughway system, should be removed and replaced with appropriate landscaping.
2. Access requirements should reflect concern for public safety, Park operations, internal transport, and special needs of handicapped and elderly Park visitors.

POLICY C

Provide for the gradual implementation of a transport system for the Park which would be integrated with public transit and recreational transport systems of the Golden Gate National Recreation Area.

1. The route utilized for any Park transport system should provide access to major facilities, features, and activity areas; existing roadway surfaces should be utilized; and where feasible, narrowed.
2. Special emphasis should be given to achieving optimum service to the Asian Art Museum, the M. H. de Young Memorial Museum, and the California Academy of Science.
3. Internal transport vehicles should be carefully selected to ensure that the system will be energy efficient, provide adequate space for picnic and sports equipment, and most importantly, be easily used by handicapped and elderly Park visitors.
4. The gradual development of a system of visitor parking areas to accommodate a majority of Park visitors should be an integral part of an internal transport system. The major components of this system should be developed at the Kezar site and the Great Highway. Regulatory measures should be taken to assure that these facilities are available for the Park visitor.
5. A parking control program should be developed to discourage all-day commuter parking along Park roadways. Generally, parking meters as a means of control are not compatible with the Park environment and should not be employed.
6. Regulatory measures should be taken to make onstreet parking in neighborhoods adjoining Golden Gate Park available only to those who reside there.

POLICY D

Encourage the use of public transit for recreational travel to Golden Gate Park and adjoining recreation areas.

1. Consideration should be given to developing a comprehensive recreation transport access program for Golden Gate Park and the Golden Gate National Recreation Area, cooperatively planned and developed by both jurisdictions.
2. Public transit improvements should be aimed at increasing city-wide access to Golden Gate Park; service should be frequent and convenient.
3. Foster public transit programs that will encourage the use of Parks, other than Golden Gate Park, that are now underutilized or relatively inaccessible.

POLICY E

Regulate private tour vehicle use of Golden Gate Park by designating in-Park routes and restricting tour vehicle parking to specified areas.

1. Use of Park roadways by tour vehicles should be regulated to ensure a balance between visitor service and protection of the Park's landscaped character.
2. Tour vehicle parking areas should be carefully sited to ensure that their impacts on the Park environment are minimal; additionally, landscaping should be employed to effectively screen these areas.

OBJECTIVE V
FOSTER APPROPRIATE USE OF PARK RECREATION RESOURCES.

POLICY A

Ensure that Park recreational activities are compatible with the Park's environment.

1. Events which attract large numbers of participants or spectators should continue to be regulated under the Recreation and Park Commission Policies for permit and reservation issuance to prevent degradation of the Park's landscape and reduce impacts on adjoining neighborhoods. Large gatherings may well be accommodated in other San Francisco parks, balancing the city-wide recreational program and alleviating wear and tear on Golden Gate Park. Ongoing use of Park meadow areas and athletic fields should be carefully monitored so that measures may be taken to allow adequate turf and landscape recovery time.
2. The Recreation and Park Department should provide regular supervision and recreation for children, especially at the Mary B. Connolly Children's Playground.
3. The presence of wildlife in Golden Gate Park is a valuable recreation resource and should be actively encouraged. Golden Gate Park is a suitable habitat for a great variety of birds and small mammals. Bird species range from the large and conspicuous Red-tailed Hawk to the tiny, secretive Hermit Thrush. Mammals such as squirrels, rabbits, raccoons, and weasels also inhabit the Park. Requirements for retaining a diverse and healthy wildlife are a variety of vegetation, lake and marsh environments, and a Park maintenance and reforestation program that should continue to recognize these needs.
4. Confined animal habitats in Golden Gate Park are not appropriate in "naturalistic" areas. Development of the North American Plains exhibit at the San Francisco Zoo would allow the eventual relocation of a Park Bison exhibit. The fenced Park site presently functioning as a buffalo paddock could be restored to a condition in keeping with the character of adjacent woodlands.
5. At the present time, stable facilities for Park equestrian activities are located in two areas: the Vandervort Barn rental stables west of Middle Lake, and the Golden Gate Equestrian Center adjacent to the Polo Field. All stable facilities should be consolidated at the Polo Field site. Consolidation should be seen as a solution to the health and safety problems associated with the Vandervort Barn area.

6. The Kezar complex, including Kezar Stadium, Kezar Pavilion, parking areas, and playfield, should be redesigned to relate more effectively to general Park use. Redesign and restoration alternatives should incorporate a public parking facility, providing primary service for the activity centers in the eastern half of the Park, including Kezar Pavilion, and linked with the development of an internal transport system. Consideration should be given to the removal of Kezar Stadium or to a reduction in its size.

POLICY B

Improve and maintain Park amenities and ensure adequate visitor services.

1. Restrooms, drinking fountains, trash receptacles, benches, and telephones should be provided at convenient locations throughout the Park; these amenities should be consistent with the intensity of activity of the particular area, and should not detract visually or physically from the environmental character of the Park.
2. Concessions which utilize temporary facilities other than those facilities which are placed in an area on a single event basis should be discouraged because they detract from the visual character of the Park. Concessions which provide service on a long term and continuous basis should be located within an existing building. All vendors should establish effective litter control and an enclosed garbage disposal area.
3. Historic, environmental, educational, and general information about the Park and activities therein should be made available to the resident and visitor through programs, tours, literature and exhibits.
4. The Park is essentially a landscaped garden; outdoor advertisements of future or existing events are a visual intrusion upon its landscaped character and should be strictly regulated. Agencies which desire to give notice of events should confine such activities to public media announcements, the Recreation and Park Department events calendar, or to an area within an existing building.
5. Security systems and police patrols should continue to be employed throughout the Park; additionally, lighting should be installed in areas receiving nighttime use. Park lighting should not detract visually or physically from the character of the Park. Mounted and motorized patrols and other high-visibility security measures should be expanded to protect the Park visitor and Park amenities. Popular use of the Park is the best way to protect it.

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