

Northern News

NORTHERN SECTION, CALIFORNIA CHAPTER, AMERICAN PLANNING ASSOCIATION

Planning for Growth and Habitat Conservation: A New Approach

by John D. Landis, Institute of Urban and Regional Development, University of California, Berkeley

SEPTEMBER 1998

RECEIVED

SEP 9 1998

DUNCAN & JONES

The CURBA Model ... allows planners to simulate how alternative land regulation and policy approaches are likely to steer future urban development ...

According to soon-to-be-published projections by the California Department of Finance, California's population will likely grow from its current level of 34 million to 39 million in the Year 2010. (This is actually less than previously forecast). Accommodating five million more people in twelve years will pose four basic challenges to the state's politicians and planners. The first

is to insure that enough housing units are built to meet future housing demand. The second is to insure that enough debt capital is available to finance needed infrastructure expansions and improvements. The third is to insure that there are sufficient supplies of water to meet agriculture and urban needs, even allowing for sequential drought years. The fourth challenge, and the subject of this brief article, is to minimize the impacts of future urban development on the state's critical ecosystems.

Regarding this last challenge, the news is both good and bad. The good news is that, given good planning, California easily contains sufficient developable land to accommodate projected urban growth without infringing on sensitive environmental areas. The bad news is that California local governments lack the analytical capabilities to develop such plans, and the regulatory tools to implement them. Until recently, that is. A just-finished research project undertaken for the Biological Resources Division of the U.S. Geological Survey by researchers at the University of California's Institute of Urban and Regional Development (IURD) in Berkeley points the way for the development of a new generation of urban growth and habitat conservation planning. Called the CURBA

(California Urban and Biodiversity Analysis) Model, this approach uses datasets and equations that have been developed for nine California counties, including El Dorado, Monterey, Nevada, Placer, Sacramento, San Joaquin, Santa Cruz, Sonoma, and Stanislaus. Datasets (and models) for additional counties are under development.

CURBA allows lay users and planners to, first, simulate how alternative land regulation and policy approaches are likely to steer future urban development, and second, to analyze how alternative urban growth patterns are likely to affect habitat totals and fragmentation levels. The issue of fragmentation is paramount. The greater the degree of habitat fragmentation (that is, the more numerous the number of disconnected habitat patches), the greater the decline in biodiversity and habitat quality.

How CURBA Works

The CURBA Model consists of two major components: (1) An *Urban Growth Model*, which considers urbanization and future development patterns; and (2) A *Policy Simulation and Evaluation Model*, consisting of procedures for simulating how alternative development policies might affect the future urbanization patterns and the impacts of those patterns on habitat integrity.

Policy scenarios are constructed by selecting particular development constraints or parameters. Users can identify whether particular grid-cells are to be precluded from development on the basis of their slope; whether they are in a designated wetland or floodzone; their agricultural class; their proximity to a river, stream, highway or road; and their proximity to particular jurisdictional boundaries, including city limits and

(continued on page 4)

DIRECTORY

Director

Wendy Cosin, AICP 510/705-8108
e-mail: wec1@ci.berkeley.ca.us

Director Pro-Tem

Mark Rhoades, AICP 510/705-8113

Treasurer

Jeri Weiss Ram 925/833-6610

Administration Director

Hing Wong 510/464-7966

AICP Coordinator

Don Bradley, AICP 650/592-0915

Ethics Review Coordinator

June Catalano, AICP 510/577-3374

Awards Coordinator

Wayne Goldberg, AICP 707/543-3220

Communications Director

Jerry Haag 510/644-2106

University Liaison

Joanne Manson, AICP 510/614-1699

Legislative Liaison

Diana Elrod 408/277-2862

Professional Development

Patricia Jeffery, AICP 510/524-7980

Membership

Steve Emslie 510/577-3350

International Liaison

Stephen Wanat, AICP 415/435-1651

Regional Advisory Committees (RACs)

Central Bay Area

Andrea Ouse, AICP 650/738-7341

East Bay

Michael Neuman, AICP 510/548-7500

East Bay Counties

Greg Mattson 925/254-8850

South Bay

D. Ungo-McCormick 408/277-4744
x 340

North Bay

Pat Collins 707/575-1933

Monterey Bay

Ernie Franco, AICP 408/899-6223

Far North

Lia Sullivan, AICP 707/822-5955

Northern Section Voicemail

415/281-0195

Newsletter Editor

John Banks 510/642-3258

Advertising Coordinator

Chuck Lerable 831/758-7155

Newsletter Designer

Juliana Pennington 415/824-4375



specializing in visuals
for the planning and
design professions

Juliana Pennington

Graphic Design
Technical Illustration
Communications Design
Exhibition Design

DIRECTORS CORNER

by Wendy Cosin, AICP

I feel very fortunate to work in a community that has many local planning success stories. The recent ground breaking for the Berkeley Bowl Market brought to fruition a successful collaborative effort of local politicians, staff, and most significantly, the residents of the area. In November 1994, Safeway closed their doors in South Berkeley and the residents were very upset at the loss of the grocery store. Berkeley Bowl, a locally owned grocery store founded within a former bowling alley, was two blocks away, but it did not provide a full range of supermarket items. The next closest store was a high-priced natural foods store.

Attraction or retention of a grocery store to serve local residents is a critical component of any community development strategy, especially in an area such as South Berkeley with a large number of elderly and lower income residents. Community members formed a group called the Committee for a Full-Service Supermarket. The City of Berkeley tried a variety of approaches to resolve the problem.

After unsuccessfully trying to dissuade Safeway from abandoning the store, the Planning Commission adopted an urgency ordinance that prohibited a change of use of any supermarket unless certain findings were made. After a failed attempt by a discount retail store to take over the site in 1995, the Economic Development staff attempted to lure dozens of grocery store chains from all over the U.S. to the closed store. Two corporate grocery store operators negotiated, but backed out of nearly complete arrangements to lease the site in 1996. So the building remained empty.

Berkeley Bowl had overgrown its building, leading to over-crowded conditions in the aisles and parking and traffic congestion outside. They saw an opportunity to expand. They met with local residents to discuss what additional supermarket items were needed to serve the neighborhood and they agreed to expand its project lines to become full service, meaning that it will carry canned and dry goods as well as their traditional fresh food products. The City of Berkeley assisted the Bowl relocation by waiving Use and Building Permit fees (approximately \$100,000). The City also cooperated by agreeing to make an adjacent street one-way to create more on-street parking. Berkeley Bowl will double its size when it relocates to the new 43,000 square foot store. Parking will be provided and conflicts with the neighbors are expected to end. The residents' commitment to fighting for what they wanted was the key to the happy ending.

Planning Commissioners Workshop — Several people expressed interest in organizing a Planning Commissioners Workshop sometime this winter. This is something that we all could benefit from, but we need a few more people to make it happen. Call or e-mail Wendy Cosin to lend a hand—510-705-8108(wec1@ci.berkeley.ca.us).

NEWSLETTER INFORMATION

EDITORIAL

John Banks

Tel: 510/642-3258

Fax: 510/642-1641

Department of City & Regional
Planning

University of California
Berkeley, CA 94720-1850

ADVERTISING/JOBS

Chuck Lerable

Tel: 831/758-7155

Fax: 831/758-7460

e-mail: chuck@ci.salinas.ca.us

200 Lincoln Ave.

Salinas, CA 93901

ADDRESS CHANGES

Membership Department

APA National Hqtrs.

122 South Michigan Ave., Ste.1600

Chicago, IL 60603-6107

312/431-9100

The deadline for submitting materials for inclusion in the **Northern News** is the 16th day of the month prior to publication.



Volunteer at Habitat for Humanity Site

As a follow-up to APA's Housing Symposium scheduled for October 16, 1998, arrangements have been made with East Bay Habitat for Humanity for APA volunteers to work on a Habitat project the following day, Saturday, October 17, 1998. A maximum of twenty (20) volunteers can be accommodated. No construction experience is needed, just a willingness to get in and help a needy family build a house they can own. Bring a sack lunch, water, work gloves, a tape measure and a couple of pencils with you. Don't forget a hat and sunscreen if the weather is warm.

To make reservations, call Jerry Haag at (510) 644-2106. This is an opportunity for planners to actually do something about affordable housing!

Editor's note:

Last month we omitted biographical information about Deborah Carol, author of the article "The Arcata Marsh and Wildlife Sanctuary: A Model Wastewater Treatment Facility."

Deborah Carol is working as a Consultant for open space and agricultural conservation organizations, having recently consulted for the Society for Ecological Restorations International Conference in Austin, TX. She is completing a master's thesis at San Jose State University. She can be reached at 831/656-0830.

BULLETIN BOARD

Board Elections are Coming!!!!

We need candidates for the Director and Administration Director positions for the Northern Section Board. Nominations must be submitted by October 15 for the elections which will be held in November. The two-year terms begin January 1, 1999.

The Section Director is responsible for management of the affairs of the Section and serves on the California Chapter Board as the Section representative. The Administration Director takes and distributes records of actions resulting from Board meetings and is generally responsible for all records of the Section.

The Board of Directors meets every other month. If you are interested in running, or if you know someone who you would like to nominate, please call Wendy, Deborah, or any other Board member for information. Getting involved with APA is a mitzvah and a great way to network.

Information: Wendy Cosin: 510-705-8108 (wec1@ci.berkeley.ca.us) or Deborah Ungo-McCormick: 408-297-8763 (ungomcc@netgate.net).

APA Housing Symposium

Mark your calendars! The Northern Section of the California Chapter of the American Planning Association has organized an upcoming symposium on housing in the Bay Area: "Housing for All—Knocking Down the Barriers."

The program has been specifically designed to identify local and regional housing constraints and provide a forum to discuss innovative multi-disciplinary solutions to resolve barriers. A wide variety of professionals have been invited to speak, including architects, planners, home builders, civil engineers, financing specialists, realtors, attorneys, local government elected officials, trade union members, environment specialists and neighborhood activists.

The invited keynote speaker will be the mayor-elect of Oakland, **Jerry Brown**. Mayor Brown has always had a unique perspective on societal issues and his remarks on housing will be ideal to spark a non-traditional discussion of breaking down housing barriers.

Panel topics will include:

- Residential land availability and existing development patterns
- Design and construction constraints
Political constraints
- Emerging trends in the housing industry

Case studies of successful "barrier breaking" will also be discussed by an expert panel. Ideas will be presented that can be applied elsewhere.

The Symposium will be held on Friday, October 16, 1998 in the ABAG auditorium, located in the Joseph Bort MetroCenter, 101 Eighth Street, Oakland. Plan on spending all day learning and sharing your perspective on critical housing issues.

Registration fee is \$95.00 per person, which includes refreshments, lunch, and background materials. All Northern Section members will shortly be receiving a flyer with a registration form and instructions. Registration is due no later than October 9, 1998.

Please contact one of the following for additional information about the program:

Patricia Jeffery, AICP
Northern Section APA Professional Development Officer
510/524-7980 (phone)
510/524-7242 (fax)

Jerry Haag
Northern Section APA Communications Director
510/644-2106 (phone)
510/548-6123 (fax)

See you there!



CURBA *(continued from page 1)*

sphere-of-influence lines. The effect of precluding a site from development is to shift the population growth it might otherwise have been allocated to another, lower-scoring grid-cell. (Policy scenarios can also be constructed by specifying alternative allocation densities.) Once a particular policy scenario has been fully specified, the CURBA Model displays a summary map of developable and undevelopable grid-cells.

The next step is for the CURBA Model to allocate projected population growth to the remaining developable sites. Development is allocated to sites in order of their calculated development probability, subject to specified policy constraints. Once the allocation process has been completed, the CURBA Model reports the average allocation density and displays a map showing the resulting growth allocation.

The resulting growth allocation is then compared with various habitat designations. Users can backtrack at any time to modify a policy scenario or specify a new one. The CURBA Model keeps careful track of all policy scenarios and growth allocations.

Santa Cruz County Pilot Study

To better demonstrate its capabilities, we used the CURBA Model to test the effects of three growth policy scenarios on projected urban development patterns and habitat fragmentation in Santa Cruz County for the year 2010. According to the California Department of Finance, the population of Santa Cruz County is projected to increase by approximately 50,000 persons between 1995 and 2010. At the County's current average density of 20 persons per hectare, an additional 2,500 hectares (or approximately 6,250 acres) will be required to accommodate this level of population growth.

Using three distinct scenarios, each with different degrees of limitations on permitted urban development, three very different patterns of development and habitat fragmentation occurred. Under a scenario calling for very little constraints on development, pro-

jected new development will tend to favor sites at the edges of existing cities, particularly Watsonville. These locations are flat, and are well-served by existing infrastructure, especially regional highways.

As other scenarios were plugged in reflecting increasing limitations to urban development, some surprising results occurred. If policies were adopted to protect farmlands, the result was shown to be a shift of new development northward toward Santa Cruz and Scotts Valley, and to the unincorporated areas of Felton and Ben Lomond. If development was even more severely limited, such as to obtain maximum environmental protection by not encroaching on hillsides or riparian areas (a large percentage of Santa Cruz County), ironically the effect would be to shift much of the county's prospective growth to Scott's Valley, a city known for its small-town, environmentally-friendly character.

Under each of the scenarios pursued, it can be shown which vegetation types are most likely to be affected by projected urban growth, and more significantly, what degree of habitat fragmentation will occur. Ironically, it was shown that the scenario most injurious in terms of Redwood forest land loss and habitat fragmentation was the scenario calling for the maximum degree of environmental protection, i.e. allowing development only on those areas judged to be the least environmentally sensitive. This scenario shifts growth inland from coastal hillsides, thereby resulting in greater Upland Redwood Forest land loss and fragmentation. Thus, policies designed to protect and conserve environmental features such as riparian corridors, hillsides, and/or farmland, will not automatically—and not in all places—result in appropriate levels of habitat conservation.

Conclusions and Caveats

The California Urban and Biodiversity Analysis Model represents a huge step forward in the ability of policy-makers and
(continued on page 5)



JOBS

Contract Planner

City of San Rafael

Salary 4,407-5,065/mo.

City of San Rafael seeks qualified candidates for two year, f/t limited term appointment participating in the completion of the project to update the city's General Plan. Requires Bachelor's degree from an accredited college or university with major course work in planning or related field, and two years full-time professional experience at the Assistant Planner level in municipal planning, including some experience in advance planning. City application and application supplement required. Apply by 5:00 p.m. Monday, 9/21/98, to Human Resources, City of San Rafael, 1400 5th Avenue, San Rafael, CA 94915-1560. Job Hotline: (415) 485-3433. EOE

CEQA Project Manager

Impact Sciences

Salary DOQ

Impact Sciences, a state-wide environmental consulting and planning firm, seeks a CEQA Project Manager for its growing San Francisco office. Main responsibilities are to lead CEQA studies and conduct marketing. At least 3 years experience required, advanced written and oral communication skills essential. Only professionals with initiative, team orientation, and enthusiastic attitude need apply. Send resume to Impact Sciences, 100 Bush Street #210, San Francisco, CA 94104, or fax to (415) 989-2450.

Zoning Administrator

City of Mountain View

Salary \$74,000-92,000 +

Reports to Community Development Director. Oversees staff of 8. Full responsibility for zoning issues. Extensive planning and zoning experience. B.A./B.S. required. Excellent communication, negotiation, and leadership skills. Deadline for application 9/25/98. Send resume to Shannon Associates, 1601 Response Rd., Suite 390, Sacramento, CA 95815. Tel: 916/567-4280. Fax: 916/567-1220. Email resumes@shannonassoc.com



Membership

Congratulations To Our 39 New AICP Members !!

By Don Bradley, Ph.D., AICP, MCP

The new members are:

Gary M. Bird, AICP, Eureka
Steven A. Brown, AICP, Vacaville
Lifang Chiang, AICP, San Francisco
Paul L. Curtis, AICP, Los Gatos
Carol M. Deming, AICP, Los Gatos
David W. Dowswell, AICP, Vallejo
Elizabeth Dunn, AICP, Richmond
Alan Eliot, AICP, Oakland
Sandy Fleming, AICP, Aptos
Ronald J. Foster, AICP, San Francisco
Amy C. French, AICP, Burlingame
Elizabeth Gearin, AICP, El Cerrito
Francis Griffin, AICP, Martinez
Daniella D. Hamilton, AICP, San Francisco
David B. Hardy, AICP, Rohnert Park
Joe C. Heckel, AICP, Santa Rosa
Mark Hoffheimer, AICP, San Francisco
Nancy Maddox Lytle, AICP, Palo Alto
Allyn G. McGuire, AICP, Monterey
Julia Monteith, AICP, San Francisco
Meera Nagaraj, AICP, Union City
Ann Natarajan, AICP, Fremont
Dunia I. Noel, AICP, Sunnyvale
Lisa Obregon, AICP, Belmont
Sidnie L. Olson, AICP, Eureka
Sowmya Parthasarathy, AICP, San Francisco
Charles E. Pratt, AICP, Dixon
Laura Prickett, AICP, Berkeley
Kristie K. Reimer, AICP, South San Francisco
Gloria M. Sciarra, AICP, San Jose
Ann Seppaia-Shires, AICP, San Bruno
Cynthia Servetnick, AICP, San Francisco
Nandini Shridhar, AICP, Menlo Park
Pauline L. Stuber, AICP, Novato
Mark Sullivan, AICP, San Francisco
Robert R. Torzynski, AICP, Eureka
Deborah Ungo-McCormick, AICP, San Jose
Michael W. Upston, AICP, Redwood City
Luba C. Wyznyckyj, AICP, San Francisco

THE RESULTS OF THE MAY AICP EXAMINATION REVEAL we have 39 successful AICP candidates who have passed the test. The national pass rate was a high 76% with 878 out of 1156. Both were all time records. The California Chapter surpassed that pass rate with 112 passing out of 141 attempts for a 79%. Those were not new records for numbers or percents. The Northern Section had 37 passes out of 45 attempts for an 82%. The UC Berkeley Extension AICP Exam Prep Workshops had a 96% while the pass rate for those not taking advantage of this review and training had an overall pass rate of 75%. None of these are records however. In 1993 we had 116 pass and in 1994, 100% passed of those taking the workshops. The Northern Section has traditionally had more new members than any of our eight sections in CCAPA.

The AICP is the only all-professional and practicing planner organization since APA and includes planning students, planning commissioners, and anyone interested in planning for any reason. It is the national certification depicting knowledge, ability, and ethical commitment to our broad and challenging field.

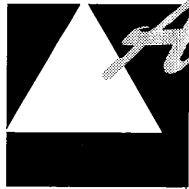
There are nearly 10,000 AICP members out of some 27,000 APA on a national basis. The AICP membership is increasing while nationally the APA is not. California has about 4000 APA, of whom some 1500 are AICP at this time. The Northern Section has around 600 AICP out of 1400 APA members in our territory, from Big Sur to the Oregon border. It is my goal to be the first to have over half of our APA belong to the AICP. This would be the only section or chapter to attain this goal. The AICP exam is administered annually the middle Saturday in May. It is a broad based, 150 item, multiple choice test. It has

evolved over nearly two decades from the original oral board exams of the AIP throughout the 1970s. Essays, graphic, and oral exams are much more expensive, as well as less fair, valid, and reliable. It is timed and lately the three hours allotted are adequate unless there is language difficulty.

Benefits of AICP are personal satisfaction, professional recognition among colleagues, agencies, and clients. Our new members will be receiving their wall certificates, gold pins and copies of the quarterly Planners Case-book publications for AICP only.

The 1999 exam will be given on May 8 and applications are due on January 11. The UC Berkeley Extension workshops are held monthly on Saturdays for five months and taught by Donald Bradley, Ph.D., AICP, MCP. For more information call Don at (650) 592-0915.

Again, CONGRATULATIONS, we are proud of all of our newest AICP members.



Authors

JAPA Call for Manuscripts

The Journal of the American Planning Association (JAPA) solicits manuscripts on all aspects of the theory and practice of planning. Newly appointed editors Deborah Howe, Carl Abbott, and Sy Adler, based at Portland State University, welcome the submission of papers that address the many and varied challenges that confront all those involved in planning and plan implementation as we begin a new millennium. The editors encourage scholars and practitioners to write about the global dimensions within which urban, suburban, and rural change are taking place, as well as to explore the historical context of contemporary issues. Papers discussing new tools and techniques and ones evaluating the effectiveness of established methods are also sought.

The new editors are especially interested in having practitioners share their experience and insights to advance the science and art of planning. To this end, planning professionals are invited to submit both full-length papers (20 typed pages) as described above, and shorter (10-12 typed pages) contributions to the Planner's Notebook section, which deals directly with the practice of planning. Planner's Notebook submissions should be designed for professionals and citizens seeking new and better ways to gather and analyze information, develop plans, or implement projects and policies.

Examples of the types of such papers include:

- documentation and evaluation of new techniques and procedures
- reflective discussion of planning practice
- case studies that illuminate important planning and development issues

Assistance is also available for potential authors who are not accustomed to writing for publication. The new Managing Editor, Peter Link, is experienced in writing instruction and is available to help practitioners interested in contributing.

Authors may query the editors about possible paper topics at the address below with a 300-word abstract. All submissions considered for publication in JAPA are evaluated through a blind peer review process. In composing submissions, please follow the guidelines printed inside the back cover of each issue.

Contact JAPA at:

Journal of the American Planning
Association

Portland State University
P.O. Box 751
Portland, OR 97207-0751

Phone: 503/725-4087

Fax: 503/725-9515

Email: japa@pdx.edu

AICP Exam Preparation Workshops

This year Michael R. Waiczis, AICP, CalChapter APA, Central Section Professional Development Officer, will again be leading a number of AICP workshops throughout the state. Mr. Waiczis has instructed preparation workshops in every major metropolitan area of the state. These workshops have proven to be an invaluable part of the preparation process for hundreds of candidates over the past four years. If you want to improve your chances of passing the exam it is highly recommended that you attend one of Mike's sessions.

Get an early start. For a free informational packet filled with valuable material about the AICP exam and ways to begin your preparation and pass the exam, or if you want information about the preparation workshops, write or call Mr. Waiczis at 815 Fordham, Clovis, CA 93611, 209/297-2347 (work) or 209/298-9770 (home). The dates, associated fees, and locations of the workshops will be determined before the end of the year.



CEQA Project Managers

Environmental Science Associates
Salary DOQ

Environmental Science Associates (ESA), a leader in the environmental field for nearly 30 years, has openings for experienced CEQA project managers preferably with planning backgrounds, but we are open. We are looking for talented and motivated individuals who wish to work in our San Francisco, Sacramento, and Oakland offices. ESA has an attractive benefits package and ESOP. For more information, visit the website at www.esassoc.com. Please send resume and 3 references to: ESA, 225 Bush Street, Suite 1700, San Francisco, CA 94104, Attn: HR.

City of Vacaville (2 positions)

Assistant Planner

Salary \$3,267.55 - \$3,971.73 /mo

Associate Planner

Salary \$3,602.49 - \$4,378.81 /mo

Primarily responsible for reviewing a wide variety of development applications considered by the City, including commercial, office, industrial and residential development. Planners typically take a project from its earliest stages of review through the plan check and field inspection process. Bachelors degree in planning, architecture, engineering or a related field and one year of planning experience for the Assistant Planner, two years for the Associate Planner. An advanced degree may substitute for experience.

Applications and job announcement may be obtained by submitting a SASE to the Personnel Office, 650 Merchant St., Vacaville, CA 95688 or call jobline (707) 449-5113. Final filing date: September 25, 1998. EOE

Assistant Planner

Redwood City
Salary \$3,575 - \$4,346 Monthly

The City of Redwood City is recruiting for the position of Assistant Planner, to create an Eligibility List to fill upcoming vacancies / additions to our Planning Department. Entry level position.

Typical Duties may include: Research, analyze and interpret social, economic, population, land use data and trends; prepare written reports on planning matters and the General Plan; process use permits, variances, and other applications; prepare simple environmental documents and reports; compile information and make recommendations on special studies; review development proposals for conformance with regulations; check development plans for issuance of zoning clearances; prepare general plan amendment studies; confer with development representatives and the general public regarding development policies and standards; make public presentations; work independently or in assigned teams.

Applicants must possess one year of responsible experience in a city planning department; education equivalent to Bachelor's degree in planning, architecture or related field; knowledge of principles and practices of city planning and zoning, local real estate land use, current planning literature, information sources / research techniques in city planning, housing, economic development and redevelopment.

Applications are available at the Department of Human Resources, City Hall, 1017 Middlefield Road, Redwood City OR by calling our Job Hotline (650) 780-7292 (24 hours). TDD (for hearing impaired) (650) 780-7265. A City application is required, along with a supplemental questionnaire. This is a continuous recruitment until filled.

CURBA (continued from page 4)

planners to project and evaluate the possible effects of alternative urban growth patterns and policies on natural habitat quality and biodiversity. The CURBA Model achieves significant advances on three fronts. First, it allows planners, policy-makers, interest groups, and residents to better understand the forces and factors behind recent urbanization trends and patterns. Second, it allows them to easily project future urban growth patterns, and to investigate the sensitivity of projected urban growth patterns to alternative regulatory and environmental policies. Lastly, by making use of heretofore difficult-to-use GAP Analysis data, it allows policy-makers, urban and environmental planners, wildlife ecologists, natural scientists, and everyone else concerned with the future of the natural environment to constructively evaluate the effects of projected urban growth on habitat integrity and quality.

The CURBA Model also demonstrates the incredible amount of spatial data and useful analytical power it is now possible to put on a desktop. The Policy Simulation and Evaluation component of the CURBA Model runs entirely in ArcView, a powerful and flexible mapping program which, as this article makes clear, can also serve as a robust, beyond-the-state-of-the-art analytical and simulation tool. A typical run of the CURBA Model makes use of a dozen grid layers, each of which commonly includes a million-plus hectare grid cells. Yet running the CURBA Model, including generating reports, typically takes less than 5 minutes per scenario.

The CURBA final report entitled *California Urban and Biodiversity Analysis Model: Theory, Development, and Pilot Applications* (by John D. Landis, Michael Reilly, Juan Pablo Monzon, and Chris Cogan) is available from the Institute of Urban and Regional Development at UC-Berkeley.



AICP EXAM INFORMATION RELEASED

The next AICP exam deadlines are as follows:

- AICP membership application submission deadline: **Monday, January 11, 1999** (firm) This deadline applies to those submitting an application to AICP for the first time.
- AICP Exam registration deadline: **Monday, March 15** (firm)

Once the application has been submitted, reviewed and approved, candidates must then follow through and register to sit for the exam.

- AICP Exam date: **Saturday, May 8**

The exam will be held on this date at over 100 test centers throughout the U.S.

AICP offers several convenient methods to assist those interested in obtaining application and exam information:

- Call the Washington, DC office: 202/872-0611
- Email: AICP@planning.org
- Fax: 1-800-800-1589
- AICP Information Line: 1-800-954-1669
- Write: AICP, 1776 Massachusetts Ave. NW, Washington, DC 20036

ANNOUNCEMENTS

Announcing: NEPA (National Environmental Policy Act) Workshop

Monday, September 21

NEPA is the nation's most comprehensive environmental law applying to federal activities affecting the human and physical environments. The NEPA process for review and evaluation of federal activities requires analysis of alternative actions through preparation of environmental assessments (EA), environmental impact statements (EIS) and supporting environmental studies and has been used as a model by jurisdictions around the world. This course is designed for individuals with all levels of NEPA experience. This is a one-day credit course, offered through UC Santa Cruz. This is the only one-day NEPA workshop available. The fee is \$195, or \$135 for agency employees. For more information: (415) 974-1221, or enroll by phone (800) 660-8639.

Call for Entries: 1999 Rudy Bruner Award for Urban Excellence

The Bruner Foundation is pleased to announce the call for entries for the 1999 Rudy Bruner Award for Urban Excellence. The Rudy Bruner Award is given to urban places that demonstrate the successful integration of effective processes and meaningful values into good design. The Gold Medal winner will receive \$50,000; each Silver Medalist will receive \$10,000.

Applications will be available after September 1, 1998 from the Bruner Foundation. The deadline for receipt of a completed application will be December 18, 1998. For more information or to receive an application, call 617/492-8401 x184 or e-mail info@brunerfoundation.com; please provide your name, company or organization, full address, and daytime phone number. You may also fax your requests to 617/876-4002, or mail them to Rudy Bruner Award/130 Prospect St./Cambridge, MA 02139.

Contributions Sought for Auction

The California Planners Foundation's 1998 auction will be held during the CCAPA Conference in Costa Mesa (Thursday, September 17 after the afternoon sessions). Proceeds go towards scholarships for planning students.

This year, a prize will be given to the most creative donation. Typically, donated items that are auctioned include: weekend travel packages, ski trips, gourmet dining opportunities, fine wines, planning-related artwork and documents, and specialty items and educational opportunities for professional planners. Last year's hot items were a hot-air balloon ride and tickets to a Seinfeld screening.

Do your part for the future of planning, and use your own creativity to think what you or your agency can contribute to make this event a success. Contact Chuck Myer, CPF Auction chair, P.O. Box 1017, Colfax, CA 95713; (530) 346-6234, cmyer@gv.net



Robert Odland Consulting

- Zoning & Implementation Systems
- Resource Management Systems
- Livable & Sustainable Communities

7530 Terrace Drive Tel: (510) 524-0648
El Cerrito, CA 94530 Fax: (510) 524-0567

DYETT & BHATIA

Urban and Regional Planners

- General Plans
- Urban Design
- Specific Plans
- Zoning
- Environmental Planning
- GIS

www.dyettplanners.com
70 Zoe Street, Suite 100 | Ph: 415 957 2950
San Francisco CA 94107 | Fax: 415 543 8957

PARSONS HARLANO BARTHOLOMEW & ASSOCIATES

Oakland • (510) 891-9324
Santa Rosa • (707) 575-1933
Home Page • www.parsons.com

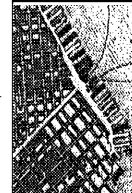
- Traffic Impact Studies
- Transportation Planning & Studies
- Signal Design
- Parking Studies and Design
- Circulation Element Studies


Kimley-Horn
and Associates, Inc.
5776 Stoneridge Mall Road
Suite 180
Pleasanton, CA 94588
Phone: (925) 463-5640
Fax: (925) 463-5641

 **Korve
Engineering** 155 Grand Avenue
Suite 400
Oakland, CA 94612
(510) 763-2929

Transportation Planning Civil Engineering Traffic Engineering

"Progressive Solutions for the 21st Century"



Chandler W. Lee, AICP
Contract Planner

940 Diamond Street
San Francisco, CA 94114
Phone: 415.282.4446

Advertisement Space Available

Contact Chuck Lerable,
Advertising Coordinator:

831/758-7155

ESA Environmental Science Associates
 225 Bush Street, Suite 1700
 San Francisco, California 94104
 (415) 896-5900 fax 896-0332
 www.esassoc.com

San Francisco Oakland
 Sacramento Los Angeles

Environmental Consulting

- Land Use and Resource Planning
- Technical Studies and Investigations
- Environmental Impact Assessment and Documentation
- Environmental Compliance and Mitigation Monitoring

WALLACE ROBERTS & TODD

Environmental Planning 657 Mission Street, Suite 600
Urban Design San Francisco, CA 94105
Landscape Architecture tel: 415 541-0830
Architecture fax: 415 541-0944

info@WRTdesign.com www.WRTdesign.com **WRT**

MIG
 MOORE IACOPEANO GOLDSMAN

Planning, Community Design, Communications, Management

800 Hearst Ave. Berkeley, CA 94710 510/845-7549 fax: 510/845-8750
 Berkeley Los Angeles Eugene, OR Raleigh, NC

Planning Architecture

SASAKI

900 North Point Street
 Suite B300
 Ghirardelli Square
 San Francisco, CA 94109

t: 415-776-7272
 f: 415-202-8970
 e: sanfrancisco@sasaki.com

Landscape Architecture
Interior Design

HAMILTON SWIFT

Tel: 408-459-9992
 Fax: 408-459-9998

1509 Seabright Ave., Suite A1
 Santa Cruz, CA 95062

Land Use & Development Consultants

PAM

Public Affairs Management

- Planning/Environmental Process
- Environmental Communications
- Public Involvement

101 The Embarcadero, Suite 210 www.pamsf.com
 San Francisco, CA 94105 (415) 989-1446

ROGERS/PACIFIC
 Consultants in the Applied Earth Sciences

Wagstaff and Associates

Urban and Environmental Planning
 2512 Ninth Street, Suite 5
 Berkeley, California 94710
 (510) 540-0303 FAX (510) 540-4788

VWA Vernazza Wolfe Associates, Inc.

5464 College Ave. Suite C • Oakland, CA 94618
 Tel. 510-596-2475 • Fax 510-652-5605

- Affordable Housing Strategies
- Real Estate Market Analysis
- Fiscal Impact Studies
- Redevelopment Planning

EIR Preparation

Seismic Hazard Evaluation
 CEQA and Open Space Planning
 Engineering Geologic Risk Studies
 Geotechnical Data for GIS Integration

396 Civic Drive Office (510) 682-7601
 Pleasant Hill, CA 94523 Facsimile (510) 682-7605

Pacific Relocation Consultants
 A full scope relocation firm to local agencies since 1980

- » Over 50 years of combined project management experience
- » Tenant, homeowner, commercial and trailer park cases
- » Projects with federal (CDBG & HOME), state and local funding
- » Provided services to over 150 Agencies and Cities
- » Relocation Plans and complete project planning & analysis

LONG BEACH - OAKLAND - SACRAMENTO 800-400-7356

Robert Schubert, AICP

Contract Planner

213 Edinbrough Street
 San Francisco, CA 94112
 (415) 586-2266

SEDWAY GROUP
 Real Estate and Urban Economics

Three Embarcadero Center, Suite 1150
 San Francisco, CA 94111 415.781.8900

355 South Grand Avenue, Suite 3295
 Los Angeles, CA 90071 213.613.1800

Brian Kangas Foulk
 Engineers • Surveyors • Planners

Holding solid ground since 1915

Redwood City San Jose Walnut Creek
 (650) 482-6300 (408) 467-9100 (925) 940-2200

PACIFIC GROUP
 Land Use Economics, Finance, Management
 Feasibility - Revitalization - Tourism & Recreation
 1110 Marquita Ave-Burlingame CA 94010
 Phone/Fax: 650-344-1288

ROMA

Urban Design • Development Planning
Streetscape Design • Specific Planning

1527 Stockton Street, San Francisco, CA 94133
 (415) 616-9900 Fax (415) 788-8728

SQUARE ONE PRODUCTIONS

PHOTOMONTAGES • VIDEOS
ANIMATIONS • WEB DESIGN
 visualization services for EIRs, approvals and marketing

San Francisco, CA Harlmut Gerdes, AICP Principal
 Tel. 415.398-7044 www.SquareOneProductions.com

B • A • E
 Urban Economics

Main Office
 2560 9th Street, Suite 211
 Berkeley, CA 94710
 510.549.7310
 510.549.7028 fax
 bae1@bae1.com

- Market Feasibility
- Financial Analysis
- Base Reuse Strategies
- Fiscal Impact
- Economic Development
- Housing Strategies

PACIFIC MUNICIPAL CONSULTANTS
PMCC

Providing Comprehensive Municipal Services for Public Agencies...

- Contract Staff
- Fiscal/Economic Analysis
- CEQA/NEPA Compliance
- Urban/Rural Planning

MONTEREY SACRAMENTO OROVILLE SAN FRANCISCO
 (408) 644-9174 (916) 361-8384 (530) 533-1131 (415) 399-8820

Sedway Consulting Urban Planners

Comprehensive Planning and Implementation
 Environmental Policy and Resource Management
 Development Regulation and Project Processing
 Litigation Consulting and Testimony

Three Embarcadero Center, Suite 1150
 San Francisco, California 94111
 Tel: 415-495-2400 Fax: 415-495-7398

CDG CANNON DESIGN GROUP

PLANNING URBAN DESIGN ARCHITECTURE

- Specific Plans
- Downtown Revitalization
- Design Guidelines & Consultation

180 HARBOR DRIVE SUITE 219
 SAUSALITO CA 94965-2846
 TEL: 415.331.3795 FAX: 415.331.3797

THOMAS COOKE ASSOCIATES

Urban Design
 City and Regional Planning
 Regulations & Guidelines
 Transit-Oriented Development

1944 Embarcadero, Oakland, CA 94606
 Tel: (510) 437-8099 Fax: (510) 437-8097

ROBERT BEIN, WILLIAM FROST & ASSOCIATES

Land Planning & Urban Design
 Policy Planning
 Environmental Services
 Circulation Master Plans

Professional Planners/Engineers/Surveyors

SAN JOSE REGIONAL OFFICE:
 226 AIRPORT PARKWAY, STE. 600 • SAN JOSE, CA 95110-3705 • 408/451-9260 FAX 408/451-9261

EMC Planning Group Inc.

A Land Use Planning and Design Firm
 Monterey, California
 Phone: (408) 649 - 1799 • FAX: (408) 649 - 8399
 Web Site: http://www.emcplanning.com

ERA Economics Research Associates
 Allied with Diversi Jones

388 Market Street, Suite 1580, San Francisco, CA 94111

- Feasibility Studies
- Tourism and Recreation
- Fiscal Impact/Financing Plans
- Transportation and Land Use
- Re-Use of Military Facilities

San Francisco 415/956-8152
 Los Angeles 310/477-9585
 San Diego 619/544-1402

THE PLANNING COLLABORATIVE

PLANNING URBAN DESIGN LANDSCAPE ARCHITECTURE

PIER 33 NORTH
 SAN FRANCISCO CA 94111
 PH: 415.398.8197 FAX: 398.8201

DENISE DUFFY & ASSOCIATES

- ENVIRONMENTAL IMPACT ANALYSIS
- SITE AND LAND PLANNING
- REGIONAL AND COMMUNITY PLANNING
- PROJECT MANAGEMENT

546-A Hartnell Street ■ Monterey, CA 93940 ■ (408) 373-4341

DONALDSON ASSOCIATES

Douglas Donaldson, JD, AICP
 Planning and Environmental Services

627 Spokane Avenue ■ Albany, CA 94706 ■ (510) 528-3684

DESIGN, COMMUNITY & ENVIRONMENT
 DAVID EARLY, PRINCIPAL

1600 SHATTUCK AVENUE, SUITE 222 TEL: 510 848 3815
 BERKELEY, CALIFORNIA 94709 FAX: 510 848 4315

NORTHERN SECTION CALENDAR

September

- 16-18 1998 CCAPA Conference, Costa Mesa
- 21 NEPA Workshop, UC Santa Cruz

October

- 15 Deadline for nominations for Director and Administration
Director for Northern Section Board
- 16 Housing Symposium, ABAG Auditorium, Oakland
- 17 East Bay Habitat for Humanity Project, Oakland

SEPTEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

OCTOBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



Northern News

EDITORIAL OFFICE

John Banks

Department of City & Regional Planning

University of California

Berkeley, CA 94720-1850

FIRST CLASS MAIL
U.S. POSTAGE
PAID
Hayward, CA
Permit No. 2

Send To: