Five Year Plan

2006 - 2010



Contents

I. Introduction

- II. The 5 Year Plan: 2001 2005
 - Goals
 - Accomplishments
- III. The 5 Year Plan: 2006 2010
 - Goals
 - Summary of Plans

Appendix

A - 5 Year Plan: 2001 - 2005

B - Acknowledgements

I. Introduction



January 3, 2006

Dear Reader,

We are pleased to present the plan for the next five years of the Connecticut Urban Forest Council. The Council provides an important forum for the exchange of ideas on critical urban forestry issues in our state. Over the past five years, the Council has accomplished many things. These accomplishments include the introduction of the *Forest on Main Street* newsletter, the creation of the Connecticut ReLeaf Program, the annual hosting of the Council's urban forestry conference, and the launching the Council's website. Most of all all, we have sought to create a vibrant network of individuals and organizations that, working together, are advancing the state of Connecticut's urban forest.

Over the next five years, we will continue our efforts and reach towards even greater accomplishments. This report documents our goals and objectives, and outlines our strategies towards achieving these ends. Compelling issues in urban forestry remain unresolved. For example, we must increase the participation of those who come from communities that are limited in means, opportunity or outlook. Similarly, while striving for greater and more diverse involvement in Connecticut's urban forestry efforts, we must also work towards having everyone, from all communities, benefit from a healthy urban forest.

There are other issues of concern to those involved in urban forestry in Connecticut. We need to encourage an ecological approach to the management of Connecticut's urban natural resources. We need to promote policies that respect the linkages between our cities and towns and the condition of our forests generally. And, we need to invest in the programs and technologies, and in the young people, who will be the key to our state's future urban forestry efforts.

Today's members of the Connecticut Urban Forest Council represent a wide spectrum of backgrounds, both professional and volunteer. Together, the Council is committed to achieving the goals included in the 2006 - 2010 Plan, and to enhancing and improving the urban forest in Connecticut.

Sincerely,

Colleen Murphy-Dunning

CUFC Chair

Donald H. Smith, Jr. Connecticut State Forester

II. The 5 Year Plan: 2001 – 2005

During the past five years the Connecticut Urban Forest Council has continued to support established programs and nurture the development of new initiatives aligned with its stated goals. This report highlights our accomplishments in meeting the following Goals.

Goal 1 - Public Awareness and Education

Create a responsible public and responsive government by promoting an understanding of stewardship and the social economic and environmental values of trees, forests and related natural resources in cities and communities.

Goal 2 - Outreach and Environmental Equity

Expand program participation by involving minorities, people of color, American Indian Nation, people with disabilities and under-served populations in all aspects of urban and community forestry.

Goal 3 - Partnerships

Create and maintain partnerships that strengthen cooperative working relationships and integrate diverse activities among public and private agencies and organizations at federal, state and local levels.

Goal 4 - Comprehensive Natural Resource Management and Policy Implement an ecological approach, which integrates biophysical, social and economic considerations to support healthy, sustainable communities.

Goal 5 - Urban and Community Forestry Research

Implement an ecological approach, which integrates biophysical, social and economic considerations to support healthy, sustainable communities.

The Council continues to serve as a leadership organization for the urban forestry program in the state. It has sustained foundational programs established over its first ten years while also expanding its efforts based upon its long range plan.

We are particularly proud to note the success of our Outreach activities in the traditional sense of seminars and workshops held, but also from new initiatives employing other resource mediums to champion our programs. These efforts have resulted in a notable increase in the constituency reached by the Council.



Outreach

The Annual Conference remains the Council's keystone event each year and supports our mission to foster urban forestry in the state. They are designed to challenge attendees to expand their perspectives, and network with others to share ideas and compare goals. In addition, the Council invites vendors and non-profit exhibitors to set up displays representing new products and innovative projects – helping attendees to connect the 'how' with the 'why' and the 'what'. These conferences enhance public awareness of resource management policies, current research and opportunities for partnerships.

In 2001, the Conference was moved to a new venue, Mountainside Inn in Wallingford. That move provided prophetic as it allowed us to handle an unexpected overflow crowd of over 260 attendees.

The theme of that year's conference "Designing Successful Streetscapes" featured renowned landscape architect James Urban along with several other speakers including: Dr. Davis Sydnor, Dr. David Bloniarz and Mr. Robert Gregan. Landscape architects, town tree volunteers, tree wardens, arborists, municipal officials and others were given the opportunity to network and fostering mutual support of common goals.

Subsequent conferences offered timely themes and quality speakers:

- o 2002 "Dividends for Tomorrow: Getting a Return on Your Green Investment"
- o 2003 "Innovations in Urban Forestry"
- o 2004 "Trees Mean Business".
- o 2005 "Strengthening the Urban Forest Through Diversity"



A summer's day in New Haven's urban forest.

Workshops

The Council recognizes the importance of Urban Forestry at both the local and national level. Over the past five years, the Council has cooperated with the CT DEP Division of Forestry in offering various workshops to a range of audiences. They have built understanding of public policies, managing resources and collaboration.

- O Seventeen different workshops geared towards municipal tree worker were held at various locations around the state and drew nearly 350 attendees. For many of these individuals, these workshops provided a unique opportunity to learn the latest regarding the care of public trees.
- A workshop on Tree Selection attracted some 100 attendees to Sessions Woods Wildlife Management in Burlington. At that workshop, speakers covered topics ranging from proper planting and species choices to tree specification and streetscape design. A session on trees beneficial to wildlife was also included.
- o In addition, the Council worked with CIRMA, the risk management entity within the Connecticut Council of Municipalities, by helping to sponsor a workshop to discuss Public Trees and Risk Management. Mark Dunteman, urban forestry consultant and risk management expert, addressed over 80 Tree Wardens and other public officials.

The Council has continued to foster partnerships and programs with such groups as:

- Tree Wardens
- UCONN Extension Meskwaka
- CTPA
- Milford Trees
- Greening Connecticut Cities & Town

Council members have also been active participants in national conferences and seminars including the International Society of Arboriculture, National Arbor Day Foundation, the Society of American Forests and the National Urban Forest. The lessons learned from these events have served to enrich the overall background and programs of the Council at the State level.



Recognition

The Council seeks to recognize those individuals and groups for their efforts to support urban forestry. Each year, the Council honors those volunteers, professionals and communities that have excelled in their efforts with regards to urban forestry. Awards are made at the Annual Conference.

In 1994, the Council initiated a new program, "Connecticut ReLeaf", to recognize those cities, towns and neighborhoods that have demonstrated exemplary efforts and accomplishments regarding the management of the urban forest. Since its inception, eight communities have been designated as Connecticut ReLeaf Communities.



Connecticut ReLeaf Communities is an awards program of the Connecticut Urban Forest Council created to recognize exemplary urban forestry projects at the city, town, neighborhood and institutional level.

The principal purposes of Connecticut ReLeaf are to:

- Reward cities, towns, neighborhoods and institutions for their good work in sustainable urban and community forestry
- Provide peer to peer examples for other Connecticut cities, towns, neighborhoods and institutions to emulate
- Encourage others to increase and improve urban and community forestry efforts.



Milford is one of four Connecticut communities designated as a Connecticut
ReLeaf Community in 2003.

Since 2001, the number of Tree City USA's in Connecticut has also substantially increased by over $30\,\%$. In 2005, there were 12 cities or towns in Connecticut designated as Tree City USA.

Research Support

The Council initiated a small grants program in support of its long range plan for healthy communities. In 2001, this program funded a research project undertaken by Roger Taylor, a recent Master of Forest Science student from Yale School of Forestry and Environmental Studies. Mr. Taylor tested comparative methodologies for surveying street trees in two Connecticut towns, in part to assess what level of surveying is necessary to give sufficiently reliable data. One purpose of this study was to determine whether survey methods were, in fact, cost effective as compared to complete inventories.

Communication

The Council has significantly augmented its outreach efforts over the past five years through new communication mediums. The development of a web site (www.CTUrbanForestCouncil.org.) and a newsletter allow us to reach a wide audience.

- Urban Forestry
 Calendar
 Activities Calendar
- Fact Sheets
 Tree Planting
 Tree Selection
 Watering and
 Mulching
 Early Pruning
 Municipal
 Assistance
- Articles and Newsletters
 Newsletter Back
 Issues
 Articles
- Notices and
 Announcements
 Conference
 Announcements
- Virban Forestry
 Awards
 Connecticut Releaf
 Communities
 Individual and
 Municipal Awards
- OUFC's Five Year Plan

 Download publication
- Where to go for Help
 Contact CUFC
 Other Useful
 Contacts



The Connecticut Urban Forest Council, Inc. is a statewide organization composed of representatives from Connecticut environmental organizations, state agencies, universities, research institutions, corporations, professional communities and citizen tree groups. Its purpose is to provide advice, assistance, education, information and support to urban and community forestry professionals, associated professionals, municipal, state and corporate leaders, and volunteers.

The Council Seeks To:

- Increase the number and quality of urban and community forestry programs in Connecticut towns and cities.
- Inform community decisions makers, legislators, and the public about the essential benefits derived from urban and community forestry.
- Provide continuing education and make educational resources available to arborists, tree wardens, foresters, community tree volunteers, public work employees and others practicing urban and community forestry in Connecticut.
- Develop policies designed to promote progressive and appropriate urban and community forestry programs and practices throughout the state.

To this end, the Council will serve to coordinate and direct urban and community forestry efforts in Connecticut.





Through the web site, the Council can now play a much more active role in directing people to the various urban forestry resources in the state; providing basic technical information and support that are critical to proper urban forestry.

Our Newsletters report on current activities and upcoming plans throughout the year.



Summary

The accomplishments highlighted over the past 5 years are a testimony to the vision and dedication of those who have supported urban forestry in Connecticut. This is especially noticeable in the volunteers who make up the Connecticut Urban Forest Council, all of whom generously offer their time and energy to ensure the Council remains a vital leader in fostering a successful legacy of urban forestry for many years to come. The plans outlined for the next five years will further its Mission and benefit for the citizens of Connecticut.



II. The 5 Year Plan: 2006 – 2010: Goals

The Council has identified the following goals for its next 5 Year Plan: 2006 - 2010. They reflect our commitment to continue to serve as a leadership organization for the urban forestry program in the state.

Goal 1: Public Awareness: Education and Communication

Continue developing public responsibility and government responsiveness by promoting an understanding of the social, economic and environmental values of trees, forests and related natural resources in communities.

Goal 2: Outreach and Environmental Equity

Expand program participation to better engage all community members in all aspects of urban forestry.

Goal 3: Organizational Capacity

Expand the capacity to address emerging issues and opportunities that support healthy, sustainable communities.

Goal 4: Natural Resource Management and Policy

Support research that monitors and integrates the biophysical, social and economic attributes of urban forestry.

The following tables list specific items that are planned to meet these goals and develop a legacy of sustainability.



Summary Table of Planned Accomplishments by 2011

2006 Task Number	Description and Purpose	Prinicpal party(ies) responsible	Goals and/or Objective(s) met
1	Continue the Urban Forestry Small Grants Program	DEP	Goal 1
2	Increase the number of Tree City USA's and Ct. ReLeaf communities	DEP	Goal 1
3	Maintain an urban forestry web site	CUFC	Goal 1
4	Establish and maintain a speakers' bureau	CUFC	Goal 1
5	Continue interstate cooperation and collaboration, especially with New England states and New York	CUFC, UCONN CES, DEP, USFS,URI	Goal 1
6	Increase news coverage of urban and comminuty forestry issues and events	ALL	Goal 1
7	Maintain contact with national organizations involved in urban forestry	CUFC, UCONN, CES, DEP, USFS, URI	Goal 1
8	Support the Connecticut Notable Tree Program	CCA, CUFC, CBS	Goal 1
9	Support and conduct the Meskwaka Tree Project	UCONN CES, CCA	Goal 1
10	Develop and disseminate educational materials	UCONN CES, CUFC, DEP	Goal 1
11	Continue youth education through Arbor Day events	DEP, UI, CTPA, NU, DEP	Goal 1
12	Provide educational information to communities, tree wardens, legislators, and citizen volunteers and organizations	UCONN CES	Goal 1
13	Provide training for people who wish to apply for the arborist license.	CTPA, CAES	Goal 1
14	Continue to provide workshops for licensed arborists and other interested tree care professionals	UCONN CES, CTPA, DEP	Goal 1
15	Promote community tree planting and maintenance events in all communities and support state urban forestry efforts	DEP, UI, CTPA, NU, DEP	Goal 1

2006 Task Number	Description and Purpose	Prinicpal party(ies) responsible	Goals and/or Objective(s) met
16	Conduct the annual state urban forest conference	CUFC and all partners	Goal 1
17	Support educational programs like Project Learning Tree, the SCHOOLYARD Habitat Program, etc.	CUFC, DEP, CFPA, URI	Goal 1
18	Expand program participation to achieve minority and diversity outreach	CUFC	Goal 2
19	Seek to diversify membership of the Connecticut Urban Forest Council beyond managerial and professional backgrounds	CUFC	Goal 2
20	Maintain effective and develop new partnerships	CUFC	Goal 2
21	Work with at-risk youth to accomplish urban forestry goals	KPF,URI, DEP	Goal 2
22	Annual review of goals and objectives to determine what has been completed and what, if anything, needs to be added	CUFC, DEP, UCONN CES	Goal 3
23	Provide guidance and education about important tree related issues	CUFC,CFPA, UCONN CES, URI, CTPA, NU, UI	Goal 3
24	Seek to increase funding for urban forestry efforts from private and other sources	CUFC, CFPA, FCUF,CCA	Goal 3
25	Assist towns with the conducting and use of tree inventories	DEP	Goal 3
26	Encourage towns in storm preparedness	DEP	Goal 3
27	Provide technical assistance to communities and citizen organizations	DEP, URI, UCONN CES	Goal 3
28	Continue to support the Tree Warden Association of Connecticut, Inc. as they develop workshops and educational materials.	UCONN CES	Goal 3
28	Provide training to municipal public works maintainers	UCONN CES, DEP	Goal 3
30	Maintain state database of urban forestry volunteers and community organizations	UCONN CES, CUFC	Goal 3

	Specific Tasks to be Accomplished by the Year 2011		
2006 Task	Description and Purpose	Prinicpal party(ies)	Goals and/or Objective(s) met
Number		respondible	e bjech ve(e) met
31	Increase the number of community volunteers	All	Goal 3
32	Recognize and reward outstanding achievements by volunteers, communities and professionals through the annual awards process	CUFC	Goal 3
33	Monitor existing state shade tree laws and recommend revisions, where necessary	CUFC,UNCONN CES, TWA CTPA CEPA	Goal 4
34	Advocate support for urban and community forestry by state and federal legislators in Connecticut	CFPA, FGC,FCUC	Goal 4
35	Develop state-wide collaboration to address critical urban forestry issues	CUFC, UCONN CES, URI, CAES, CCA, TWA	Goal 4
36	Encourage and conduct urban forestry research in the state	KPF, URI URI, UCONN CES, DEP, CAES	Goal 4
37	Develop more urban greenspaces	KPF, URI URI	Goal 4
38	Encourage landscaping with native trees and shrubs	CCA, CFPA, UCONN CES, DEP	Goal 4
39	Educate persons about the abuse of mulch	CFPA, CUCF, URI, UCONN CES	Goal 4
40	Provide training and information in urban wildlife ecology	DEP	Goal 4
41	Provide leadership in role of urban forestry as it relates to smart growth, urban sprawl and comprehensive natural resource management	CUFC, USFS, UCONN CES	Goal 4
42	Perform an overall survey of urban forestry in the state	UCONN CES	Goal 4
Key	Partner Organizations		
BA	Bartlett Arboretum		
CAES	Ct. Agricultural Experiment Station		
CBS	Ct. Botanical Society		
CCA CFPA	Ct. College Arboretum Ct. Forest & Park Association		
CL&P	Ct. Light & Power		
CTRL	Ct. ReLeaf		
СТРА	Ct. Tree Protection Association		
CUFC	Ct. Urban Forest Council		
DEP FCUC	Ct. Dept. of Environmental Protection Friends of Ct. Urban Forestry		
KPF	Knox Parks Foundation		
NRME	University of Conn. Dept. of Natural Resources, Management and Engineering		
TWA UCONN CES	Tree Wardens Association of Ct. University of Ct. Cooperative Extension System		
UI	United Illuminating		
URI	Urban Resource initiative - Yale University School of Forestry & Environmental Studies U.S.D.A. Forest Service		
USFS	U.S.D.A. FUIESI SEIVICE		

The Council Members

Officers:

Chair Colleen Murphy-Dunning

Director Urban Resource Initiative, Yale School of Forestry and

Environmental Studies

Vice Chair Joseph R. Ryzewski PMP, P.E.

Electric System Lead Engineer – United Illuminating Co.

Treasurer Chris Donnelly

CT DEP Division of Forestry

Secretary Mary Ludwig

Milford Trees Inc.

Council Members:

Charles Augur First Selectman, Town of Middlefield

Fred Borman CT DEP Division of Forestry

Alan Carey Supervisor – Vegetation Management, Conn. Light & Power

Glenn D. Dryer Director, Connecticut College Arboretum

Edmund R Gregan II Hop River Nursery

Jack Hale Executive Director, Know Parks Foundation

John C. Lepper

Bill Marston

Keith Mitchell

Tree Warden, Town of Wethersfield

Tree Warden, Town of Old Saybrook

Tree Warden, Town of Seymour

Adam Moore Executive Director, CT Forest & Park Association

Kate Orecchio Milford Trees Inc.

John Parry Urban Forester, USDA Forest Service

Robert M. Ricard Urban and Community Forester, UCONN Extension Service

Bruce Spaman Superintendent of Parks and Trees, Greenwich

Susan Stotts Lewis Tree Service

Bruce Villwock Landscape Designer, State of CT – DOT

Dr. Jeffery S. Ward Station Forester, CT Agricultural Experiment Station

Acknowledgements

- Retirees: Dave Goodson, John Hibbard, Kate Orrechio, Fred Boreman, Peter Picone
- 5 Year Strategic Plan Committee: Chris Donnelly, Mary Ludwig, Adam Moore, Joe Ryzewski (Chair)

Appendix

A - Summary Table of Accomplishments to be done by 2006

2001 Task Number	Description and Purpose	Prinicpal party(ies) responsible	Goals and/or Objective(s) met
1	Expand program participation to achieve minority and diversity outreach	CUFC	Goal 4
2	Seek to diversify membership of the Connecticut Urban Forest Council beyond managerial and professional backgrounds	CUFC	Objective 4.3
3	Annual review of goals and objectives to determine what has been completed and what, if anything, needs to be added	CUFC, DEP, UCONN CES	All Goals & Objectives
4	Continue the Urban Forestry Small Grants Program	DEP	Goal 1
5	Provide guidance and education about important tree related issues	CUFC,CFPA, UCONN CES, YALE- URI, CTPA, CL&P, UI	Objective 2.3
6	Seek to increase private funding for urban forestry efforts	CUFC, CFPA	Goals 2,3 &4
7	Monitor existing state shade tree laws and recommend revisions, where necessary	CUFC,UCONN-CES, TWA,CTPA,CFPA	Goal 2
8	Maintain effective and develop new partnerships	CUFC	Objective 4.5
9	Advocate support for urban and community forestry by state and federal legislators in Connecticut	CFPA, FGC	Goal 2
10	Develop state-wide collaboration to address critical urban forestry issues	CUFC, UCONN CES, Yale-URI, CAES, CCA, TWA	Goal 2
11	Encourage urban forestry research in the state	KPF, Yale URI, UCONN CES, DEP, CAES	Goal 2&3
12	Work with at-risk youth to accomplish urban forstry goals	KPF, Yale URI, UCONN CES, DEP, TNG	Goal 4
13	Develop more urban greenspaces	KPF, Yale URI	Goal 4
14	Increase the number of Tree City USA's	DEP	Objective 3,3
15	Assist towns with the conducting and use of tree inventories	DEP	Goals 2,&4
16	Encourage towns in storm preparedness	DEP	Goal 3
17	Communicate with other groups	CUEC	Goal 1
18	Develop and maintain an urban forestry web site Establish a speakers' bureau	CUFC	Goal 1 Goal 1 & 2
20	Continue interstate cooperation and collaboration, especially with New England states and New York	CUFC, UCONN CES,	Goals 1 &2

2001 Task Number	Description and Purpose	Prinicpal party(ies) responsible	Goals and/or Objective(s) met
21	Increase news coverage of urban and comminuty forestry issues and events	ALL	All Goals
22	Maintain contact with national organizations involved in urban forestry	CUFC,UCON CES, DEP, USFA, Yale-URI	Goals 1 &2
23	Assemble educational information to 'correct' mis- information and technical gaps	UCONN CES, DEP,CFPA, CUFC	Goals 1 &2
24	Encourage landscaping with native trees and shrubs	CFPA, UCONN CES, DEP	Goals 1 &2
25	Educate persons about the abuse of mulch	CFPA, CUCF, Yale- URI, UCONN CES	Goals 1 &2
26	Support the Connecticut Notable Tree Program	CCA, CUFC, CBS	Objective 1.5
27	Support and conduct the Meskwaka Tree Project	UCONN CES, CCA	Goal 1
28	Support Youth/Mentors/Tree Projects	UCONN CES	Goals 1,2 &4
29	Work with municipalities to support urban forestry	CUFC, UCONN CES, DEP, USFS,Yale-URI	Goal 2
30	Develop and disseminate educational materials	UCONN CES, CUFC, Dep	Goals 1 & 2
31	Continue youth education through Arbor Day events	DEP, UI, CTPA, CL&P, DEP	Goals 1,2 &4
32	Promote urban tree planting by young people through the annual Arbor day seedling program	DEP	Goals 1,2 &4
33	Provide training and information in urban wildlife ecology	DEP	Objective 1.4
34	Provide technical assistance to communities and citizen organizations	DEP, Yale-URI	Goals 1 &3
35	Continue to support the Tree Warden Association of Connecticut, Inc. as they develop workshops and educational materials.	UCONN CES	Goal 3
36	Provide educational information to communities, Tree wardens, legislators, and citizen volunteers and organizations	UCONN CES	Goal 1
37	Develop and conduct workshops and educational materials for Tree Wardens		Goals 1 & 2
38	Provide training for people who wish to apply for the arborist license.	BA, CTPA, CAES	Goals 1 & 2
39	Continue to provide workshops for licensed arborists and other interested tree care professionals	UCONN CES, CTPA, DEP	Goals 1 & 2
40	Provide training to municipal public works maintainers	UCONN CES, DEP	Goals 1 & 2

2001			
Task	Description and Purpose	Prinicpal party(ies)	Goals and/or
Number		responsible	Objective(s) met
41	Promote community tree planting and	FDC	Goals 1 & 2
	maintenance events by Garden Clubs in all		
	communities and support state urban forestry		
	efforts		
42	Conduct the annual state urban forest conference	CUFC and all partners	Goals 1 & 3
43	Sponsor NADF Conferences in Area	CUFC	Goals 1 & 3
44	Assemble and maintain a 'scrapbook' of real	CUFC, DEP, CFPA	Goal 1
	events and planting that have occurred.		
45	"Green Market" job opportunities	All	Objective 4.2
46	Provide leadership in role of urban forestry as it	CUFC, USFS, UCINN	Objective 2.1
	relates to smart growth, urban sprawl and	CES	1
	comprehensive natural resource management		
47	Maintain state database of urban forestry	UCONN CES, CUFC	Goal 2
	volunteers and community organizations		
48	Increase the number of community volunteers	All	Goal 4
70	increase the number of community volunteers	7 (1)	Godi 4
49	Recognize and reward outstanding achievements	CUFC	Goal 1
	by volunteers, communties and professionals		
	through the annual awards process		
50	Perform an overall survey of urban forestry in the	UCONN CES	Objective 2.4
	state		
51	Support educational programs like Project	CUFC, DEP, CFPA,	Goals 1 & 2
	Learning Tree, the SCHOOLYARD Habitat	Yale-URI	
	Program, etc.		
Key	Partner Organizations		
BA	Bartlett Arboretum, University of Conn.		
CAES	Ct. Agricultural Experiment Station		
CBS	Ct. Botanical Society		
CCA	Ct. College Arboretum		
CFPA	Ct. Forest & Park Association		
CL&P	Ct. Light & Power		
CTPA	Ct. Tree Protection Association		
CUFC	Ct. Urban Forest Council		
DEP	Ct. Dept. of Environmental Protection		
FGC	Federated Garden Clubs of Conn.		
KPF	Knox Parks Foundation		
NRME	University0f Conn. Dept. of Natural Resources,		
TNO	Management and Engineering		
TNG	The Natural Guard		
TWA	The Tree Wardens Association of Ct.		
UCONN	University of Ct. Cooperative Extension System		
CES UI	United Illuminating		
USFS	U.S.D.A. Forest Service		
YALE	Yale University School of Forestry &		
.,,	Environmental Studies		
	1	l .	l.