

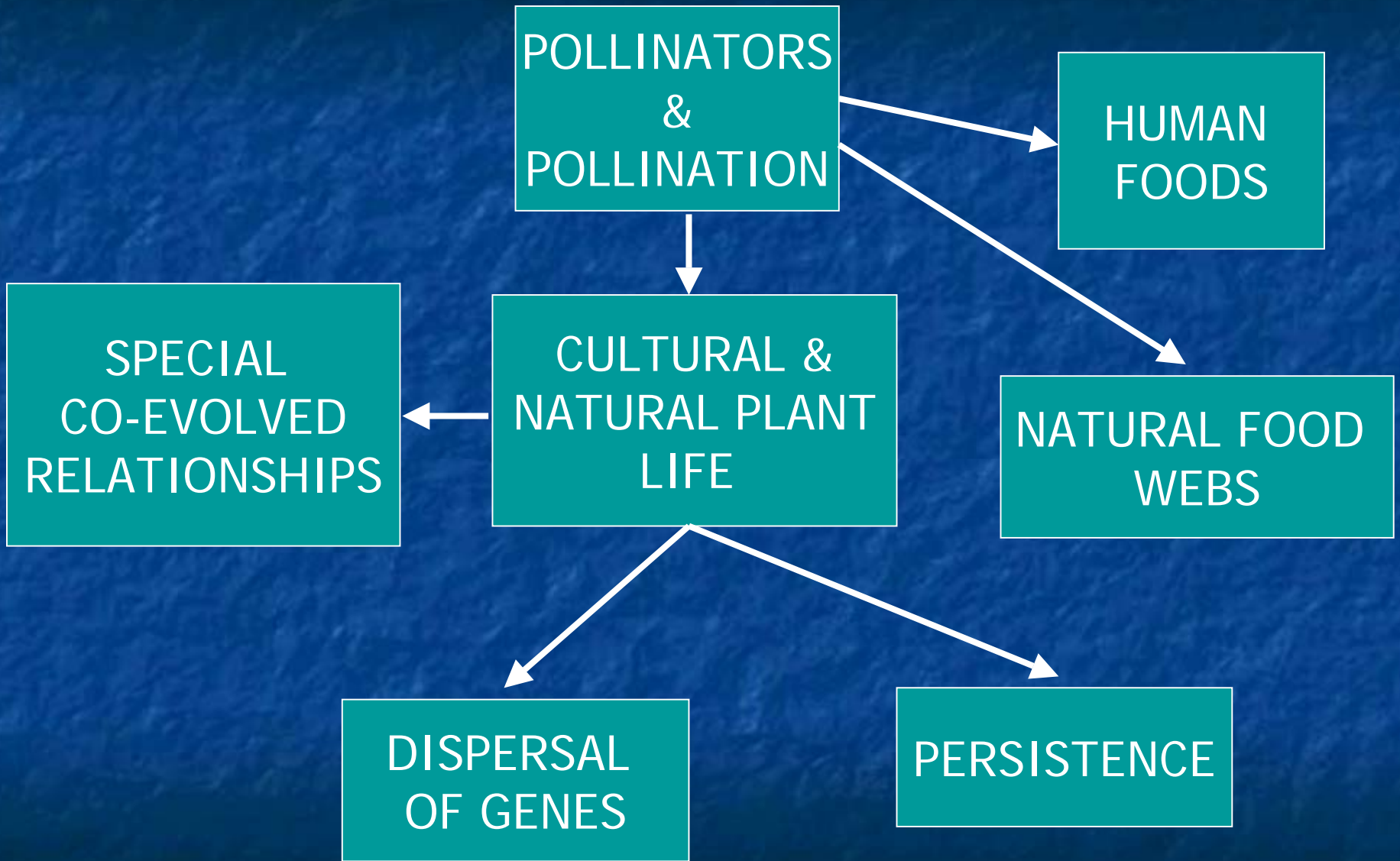
THE TRANSITION FROM SCIENCE TO REALIZED POLLINATOR CONSERVATION IN CANADA

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SCIENCE OR SOCIETY?

- . MANAGEMENT: Regulating the human use of species and their habitats.
- . CONSERVATION: A social construct achieved by society doing (or not doing) certain things that promote species' persistence and use.

THE TWO SOLITUDES

SCIENCE

- . KNOWLEDGE
- . REDUCTIONISTIC
- . DISCIPLINED
- . TESTABLE

POLICY & LAW

- . BELIEFS, FACTS, VALUES
- . INTEGRATIVE
- . UNDISCIPLINED
- . EVALUATED

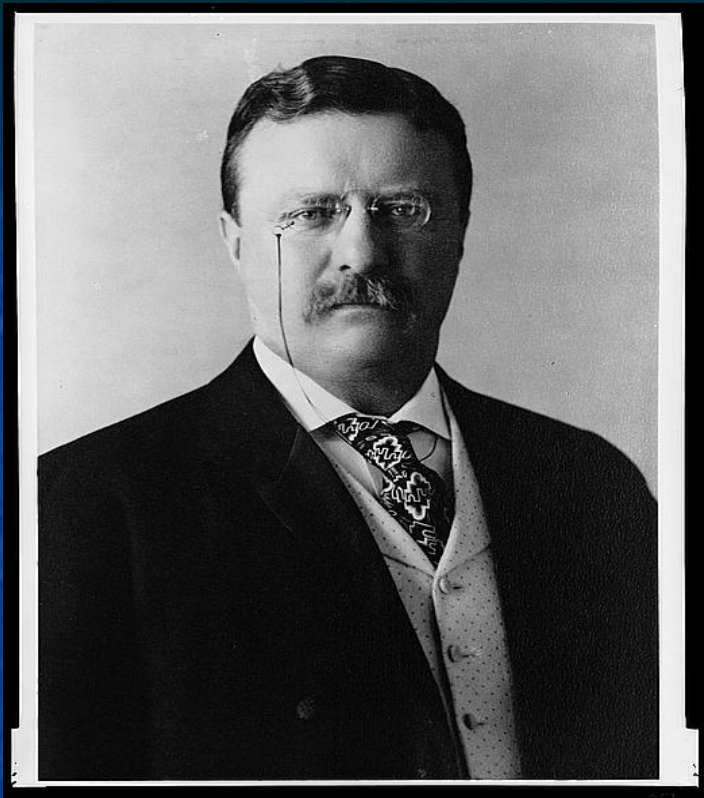
PARALLELS BETWEEN POLLINATOR CONSERVATION AND MIGRATORY BIRD CONSERVATION IN NORTH AMERICA

THE ERA OF EXPLOITATION, 1850-1900.

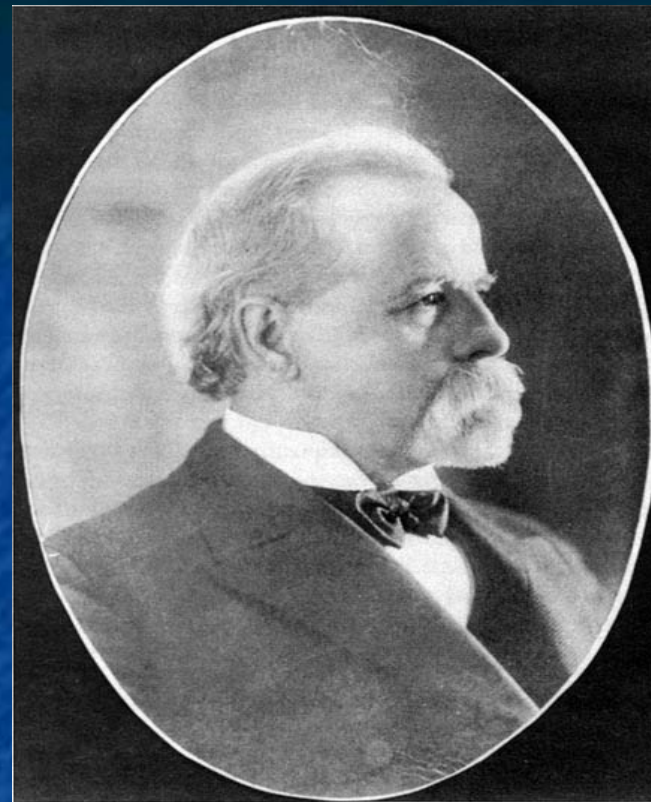
THE ERA OF PROTECTION 1900 - 1930.

. 1900 LACEY ACT; 1913 WEEKS-McLEAN ACT
1916 MIGRATORY BIRD TREATY.

. THE IMPORTANCE OF POLITICIANS IN
BOTH USA & CANADA.



Teddy Roosevelt



John Lacey

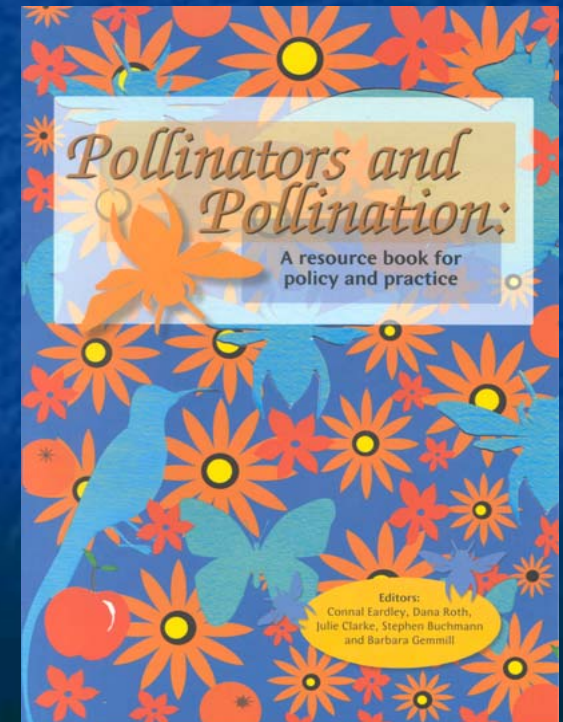
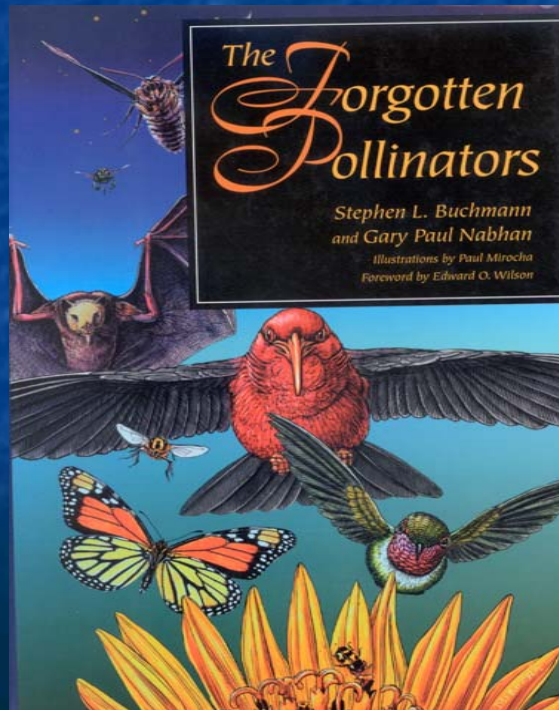
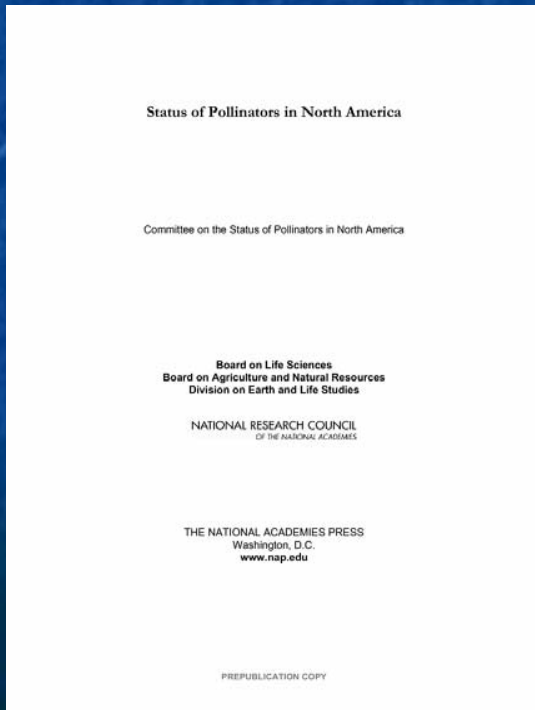
Senators
Weeks & McLean

CONSEQUENCES OF 1916 TREATY

- . BILATERAL LEGISLATION
- . EXTENSION OF TREATY TO ADJACENT STATES
(MEXICO 1936, JAPAN 1972, USSR 1976)
- . DUCK STAMP ACT 1934 & PITTMAN-ROBERTSON
ACT 1938, TO PROVIDE FUNDING
- . NGO & GOVT PARTNERSHIPS FOR CONSERVATION
- . THE FLYWAY COUNCILS FOR REGIONAL MGMT.
- . THE NAWMP FOR TRILATERAL HABITAT ACTIONS

THE PARALLEL POLLINATOR SITUATION:

- EVIDENCE OF DECLINES & DEFICITS
 - BUCHMANN & NABHAN 1996
 - THE NATL. ACAD. SCI. REPORT 2006



THE POLLINATOR SITUATION

- . NAPPCC CREATED IN 1999
- . UNDER NAPPCC, MEXICO AND CANADA FORM TRILATERAL PARTNERSHIP
- . NAPPCC BECOMES THE "FUNCTIONAL EQUIVALENT" OF THE MIGRATORY BIRD TREATY

POLLINATOR CONSERVATION IN CANADA: *QUO VADIS??*

- . DEVELOP GOVERNMENT LINKAGES;
 - CAN-US, FED-PROV, INTER-AGENCY
 - HARMONIZE APPROACHES
- . WORK WITH THE NGOs & PRIVATE SECTORS
- . SEEK INVOLVEMENT OF NATIVE LANDS
- . DEVELOP THE FUNDING MECHANISMS
- . RECOGNIZE THE PIVOTAL ROLES OF POLICY & LAW
- . SEEK AMENDMENT OF EXISTING FED & PROV LAWS
- . PUT POLLINATOR ISSUES ON MINISTERS' DESKS

CONCLUSION:

- . GIVEN THE CENTRAL ROLE OF POLLINATION IN SUPPORTING ECOSYSTEM AND AGRICULTURAL PRODUCTIVITY,
- . THAT CANADIAN HARMONIZED FEDERAL AND PROVINCIAL POLICY BE DEVELOPED TO SUPPORT AND PROMOTE THE CONSERVATION OF MANAGED AND WILD POLLINATORS & THEIR HABITATS.
- . & THAT ASPECTS OF THE MIGRATORY BIRD MGMT. MODEL BE EXAMINED TO FASHION THE CANADIAN APPROACH.