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Author

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Report/Article Title Memorandum, Notes, and Organizational Charts
Related to a Visit to Monsanto and VETS Proposed by
Alvin L. Young, June 1984

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EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20506

June 27, 1984

MEMORANDUM FOR BERNADINE BULKLEY
JIM LING

FROM:

AL YOUNG 

SUBJECT:

Visit to Monsanto and VETS, St. Louis, Missouri,
July 5-6, 1984

1. Effective with the departure from OSTP of Dr. Wallace, I have assumed responsibility for providing technical expertise on Agriculture. Accordingly, I have scheduled or completed visits with key DOA Officials (Drs. Bentley, Kendrick, and Kinney, June 28), University personnel (National Association of State Universities and Land-Grant Colleges, June 7) and Professional Societies (American Society of Range Management, June 16 and Council on Agricultural Science and Technology, July 31). With encouragement from both Dr. Wallace and Dr. Bentley I have been invited to visit and discuss Monsanto's Agricultural Research Program, St. Louis, Missouri, July 5-6.
2. Why Monsanto? Within the private sector, Monsanto is a major leader in Agricultural Research. Currently, more than 50% of all research conducted by Monsanto is in Agriculture. Its laboratories in St. Louis employ more than 300 professionals devoted to Agricultural Research. It has the largest growth chambers in the world for conducting environmental studies on plant growth and development. Monsanto has recently moved into its new Biotechnology Facility and has initiated research in areas of new pest management techniques and investigations into growth hormones. Monsanto currently has one of the largest and cooperative programs with Universities having committed more than \$75 million to joint ventures.
3. Why July 5-6? I have replaced Dr. Wallace on the Joint Council on Food and Agricultural Sciences (chaired by Dr. Bentley and reporting directly to Mr. Block). The Joint Council is meeting on August 1-3 to discuss "FY 86 Priorities for Research, Extension and Higher Education." It is important that I have a thorough understanding of what is happening in research within all sectors of the Agricultural Community prior to that date.

4. The Downside to a Visit to Monsanto. A major issue to my visiting Monsanto at this time is Monsanto's continued involvement in dioxin litigation; i.e., Nitro, West Virginia case. The government is not a party to the case in West Virginia, nor is Monsanto currently involved in litigation with the U.S. government on issues related to Agent Orange. However, the perception of my visiting Monsanto could be seen as a conflict of interest. I do not believe this will occur. I am confining my visit to Monsanto to programs in Agricultural Research. I would propose visiting those individuals and offices noted on the attached charts.
5. Vietnam Veterans Twin Study (Vets). While with the VA, I served on a special committee to develop a study on twins. I would like to visit the Twin Research Group, express my best wishes for a successful program and withdraw any future involvement in this program.
6. I solicit your support for my visit to Monsanto. I would like to place dioxin and Agent Orange into my past and move forward into new areas. I believe this trip will enhance that process.

Approve _____

Disapprove _____

MONSANTO AGRICULTURAL PRODUCTS COMPANY

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Group Vice President & Managing Director

Will D. Carpenter
General Manager, Technology

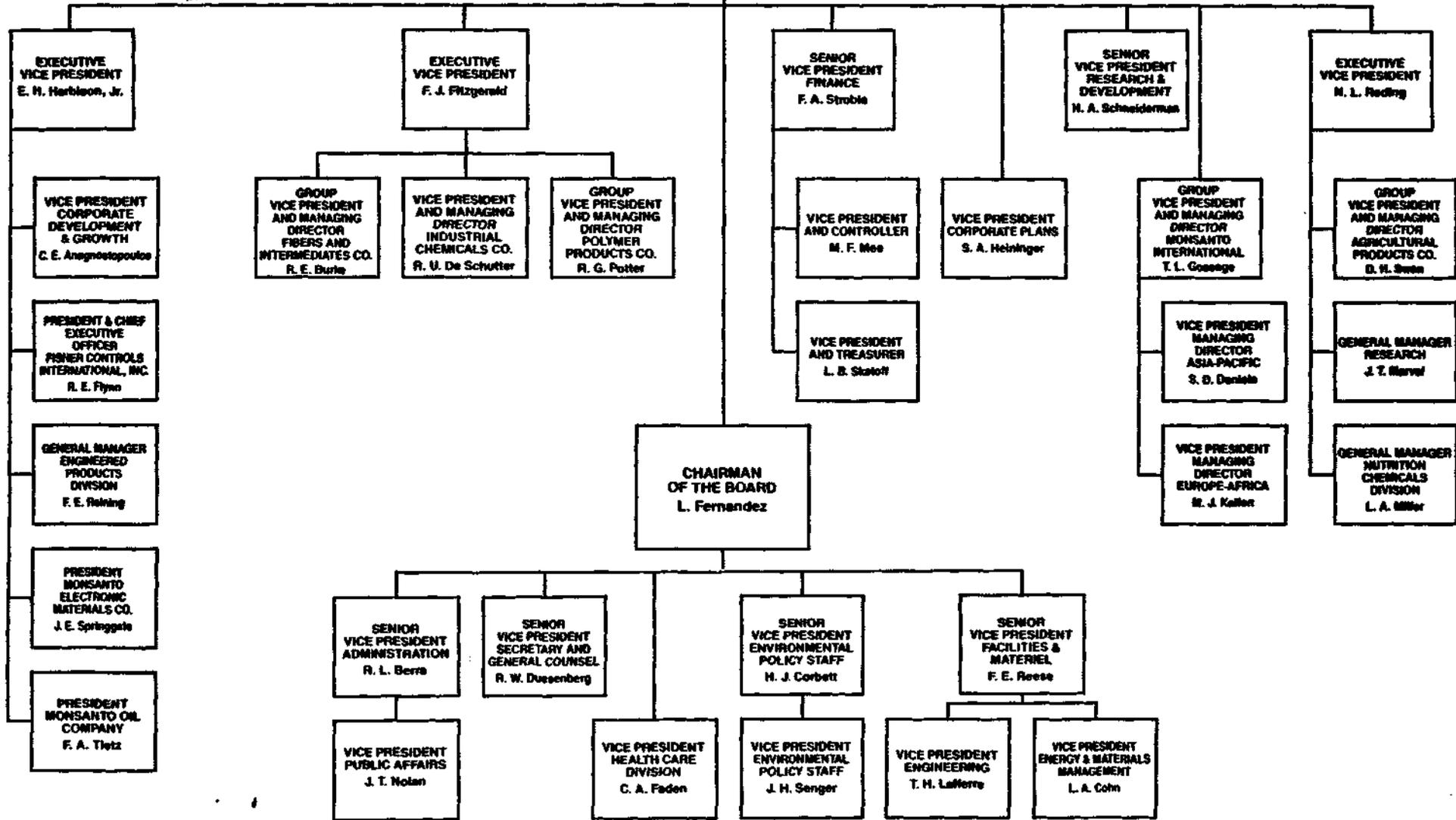
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James C. Graham
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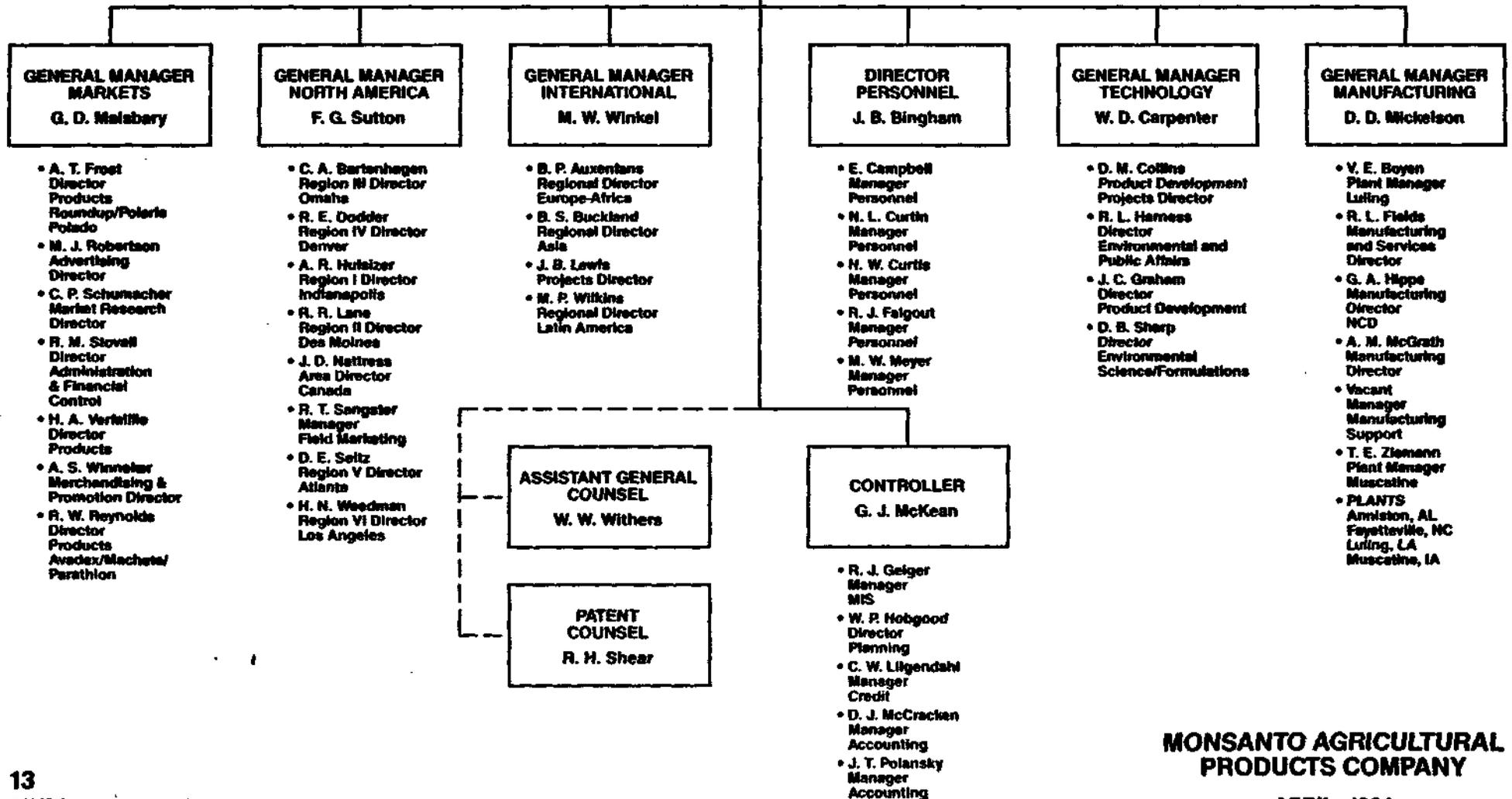
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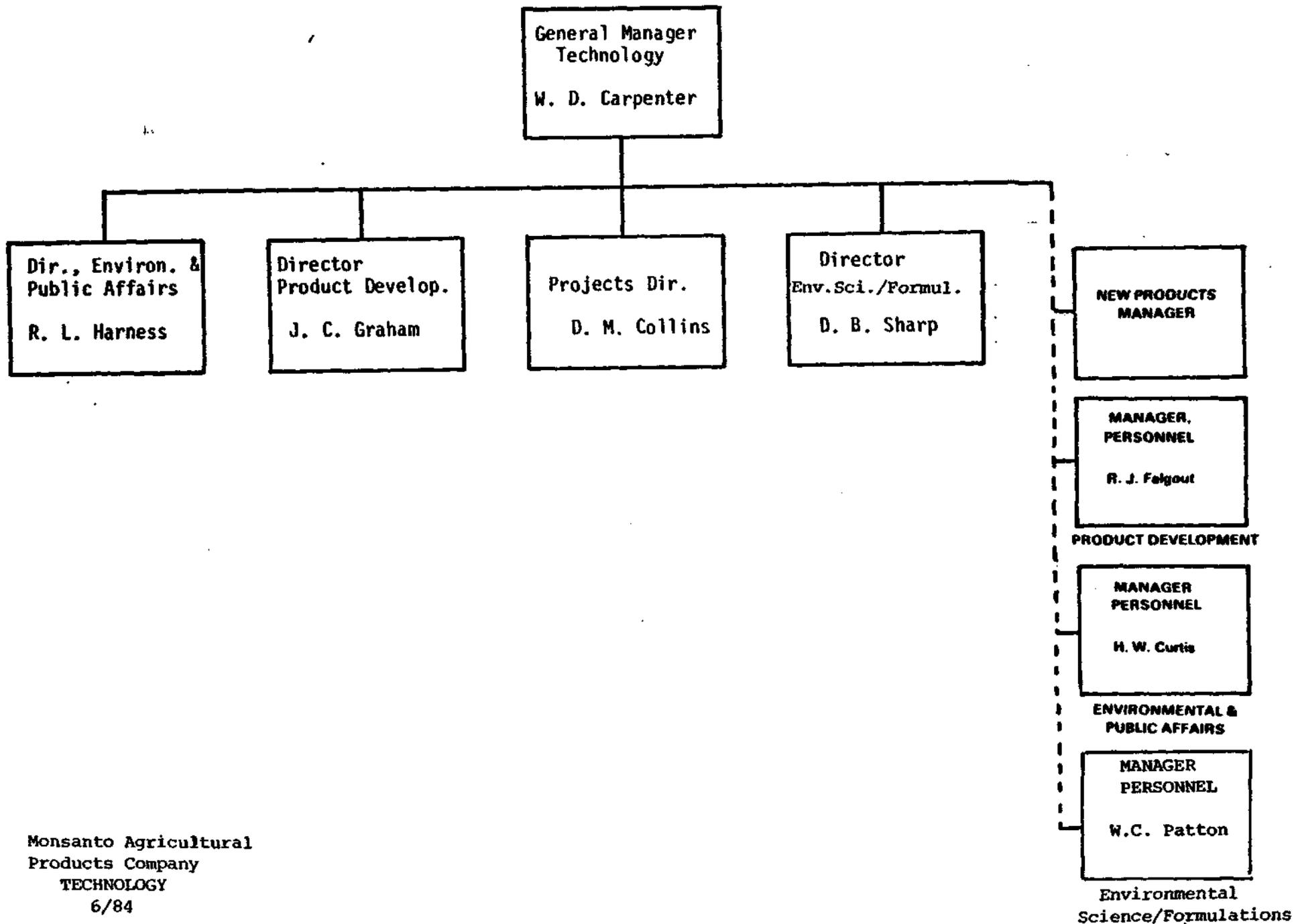
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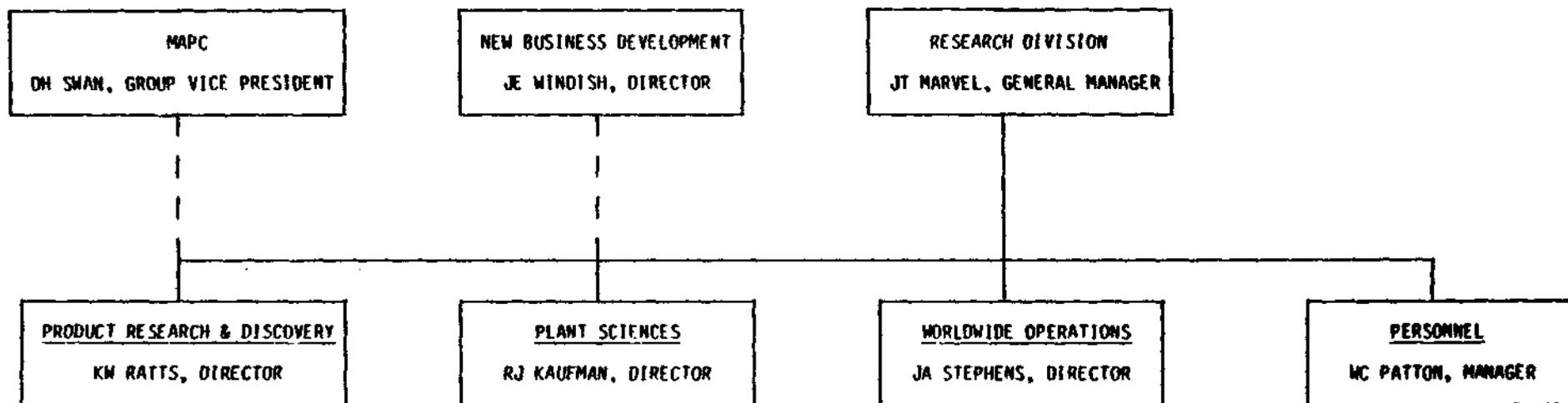
**MONSANTO AGRICULTURAL
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APRIL, 1984



3/1/84

JBBJTMCHT



College
Landscape / USDA - Translators Relationship

- All companies are equal
- Objective, outside assessment
- Impact to see products for LG Colleges
~~to see~~
- Sharing of resources
- Judgments / conclusions & insight
- Continuing evaluation must be made to industry research

Technical Needs in Agriculture

- Protect soils and to reclaim
- Use waste products / bi products back into agriculture
- Farm with less energy input
- Redesign plants for increased efficiency.
- Protecting Genetic pool

R.L. Harness

Dir. Environ. & Public Affairs

40 people

Worst -

Brown & Legislative Affairs

Defense Agr Products

Quarria Regulatory Affairs

LASSO - MAJOR HERBICIDE PRODUCT
ATTRACTIVE BENEFITS PKG.

HAS TOXICOLOGY ISSUES - TUMORS IN RATS
NO-EFFECT LEVEL

EPA RISK ASSESSMENT (WORST CASE)

STACK

• Conflicting pressures "Basic Research" is the life blood
not "life treatment".

• Agr Manpower Studies { NEED is for broad-based scientist

Central Special interest groups to
get uniform front.

• Can not view the world as a U.S. Agr.
Market. Cheap food now but later
when not cost competitive
From Market & world dependency

Retaining & Gaining Excellence

4 Billion in Competitive grants within 5 yrs.
Peer reviewed and out of hands of Congress
Economic arguments behind bio tech

Areas For Focus

- Plant Science - Biochemistry / Metabolism
- Little need to continue doing classic breeding.
- Form "Centers" with large molecules to stream work.

Critical Mass for doing
Job correctly.

Fundamental Pipeline must be established

Advisory Board

- must be well-qualified
- MUST be crucial

Industrial Research Institutes

Product Development
Jim Graham

Motivation of People in the system

- Frustrations

- ~~of~~
- ~~Cyber~~

80% of US three generations removed from agriculture

17% Personal \$ spent for food

Send Suppliers

W.D. CARPENTER

Revenue in Ag Products

Commitments of 200-300 people
15-20 yrs

\$ 200 million must be recovered before profit.

Identify

- Problems must be large, broad, & long-term. Can't be too early or someone else will.
- Economic Solution to the Farmer (NOT academic only) & to the Company

Evaluation

- How do you design studies to maximize selection of winners
 - ~~from~~ a non-valued CPD.
 - Resources are finite

- Critical mass for new chemistry
1-10,000 new compounds/year
5-10 cpds/will represent \$30-40 million

1/20,000 - 40,000 cpds will actually become successful

FIFRA - Court Cases

- Trade Secrets = Property
- 6-7 yr block for data protection
- right to sue court for loss of data
- right to appeal after arbitration

* Economic value rather than some background cost

NTP Quality Assurance

David Rall / ATHE
Dialogue - Dec 83

- In-life audit
- STAFF at NTP limited - Q/QA

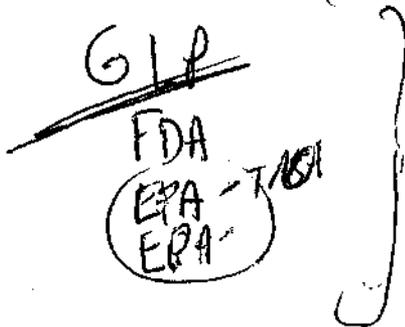
1,3 bulletins

Co-sponsor a QA workshop

Quality of ~~Control~~ / Quality Assurance

To Have

How does
NTP use GLPs



Positive
Approved
by Govt