TO: All School of Pharmacy Personnel

FROM: Charles D. Hufford, Associate Dean for Research and Graduate Programs

DATE: November 16, 2000

SUBJECT: Research News (#4)

The following GRANTS have recently been awarded:


2. Dr. Mitchell Avery (P.I. – Medicinal Chemistry) – Rational Design and Synthesis of Novel Drugs for the Treatment of Emerging Infectious Diseases (CDC), $1,500,000 – 10/1/00 - 9/30/01.

3. Dr. Mitchell Avery (P.I. – Medicinal Chemistry) – Development and Testing of New Antimalarial Drugs (CDC), $5,000,000 – 9/1/00-8/31/01.

4. Dr. Alice M. Clark (P.I. – RIPS/NCNPR); Dr. Ikhlas Khan (Co-P.I. – RIPS/NCNPR); Ms. Allyson Best (Co-P.I. – RIPS/NCNPR); and Dr. Charles Burandt (Co-P.I. – RIPS/NCNPR) – Natural Products Initiative (Alcorn State University), $700,000 – 7/01/00-6/30/01.

5. Dr. Alice M. Clark (P.I. – RIPS/NCNPR); Dr. Larry Walker (Co-P.I. – RIPS/NCNPR); and Dr. Charles Burandt (Co-P.I. – RIPS/NCNPR) – Phytomedicines at the University of Mississippi (CDC), $1,823,000 – 9/30/00-9/29/01.

6. Dr. Alice M. Clark (P.I. – RIPS/NCNPR) – NCNPR/NPURU Development of Natural Products from Plants and Microbes for Replacement of Synthetic Pesticides, Amendment 5 (USDA), $10,140.

7. Dr. Mahmoud ElSohly (P.I. – RIPS/NCNPR) – Appropriate Quality Control Procedures of Herbal Drugs in Egypt (U.S. Agency for International Development/Funds via Foreign Relations Coordination Unit, Egypt), $40,000.

8. Dr. Mark Hamann (P.I. – Pharmacognosy); Dr. Mitch Avery (Co-P.I. – Medicinal Chemistry); and Dr. Jordan Zjawiony (Co-P.I. – Pharmacognosy) – AntiAIDS Agents from Marine Natural Products (PHS, NIAID, RO1), $252,000 – 12/01/00-11/30/01.

10. Dr. Ikhlas Khan (P.I. – RIPS/NCNPR) and Dr Alison Nimrod (Co-P.I. – RIPS/NCNPR) – Therapeutic Ratios of Herbs: Ginkgo as a Model (Center for Alternative Medicine Research and Education, Harvard), $82,121 – 9/1/99-8/31/01.

11. Dr. David McCaffrey (P.I. – Pharmacy Administration) – The State of Pharmacy Affairs Departments within U.S. Pharmaceutical Companies: An Assessment of Structure, Role and Activities (Amgen), $10,000 – 6/21/00-6/20/02.

12. Dr. David McCaffrey (P.I. – Pharmacy Administration) – Opportunities and Challenges Associated with the Implementation of Pharmaceutical Care in Mississippi (Saint Anthony Educational Foundation, Inc.) – 5,000.

13. Dr. Dale Nagle (P.I. – Pharmacognosy) and Dr. Dennis Feller (Co-P.I. – Pharmacology) – Discovery of New Drugs that Target Peroxisomal Proliferator-Activated Receptor-gamma (PPAR-gamma) for the Treatment of Breast Tumors (Dept. of Defense/2000 Breast Cancer Research Program: Concept Award – U.S. Army Medical Research Acquisition Activity), $72,000 – 10/1/00-9/30/01.


16. Dr. Marc Slattery (P.I. – Pharmacognosy) – Marine Biotechnology: Antimicrobial Natural Products from Cave Sponges (Perry Institute for Marine Science) - $17,749.

17. Dr. Larry Walker (P.I. – RIPS/NCNPR) and Dr. Alice Clark (Co-P.I. – RIPS/NCNPR) – Natural Products Acting via New Anti-Fungal Targets (NIAID/NCI/Georgetown), $168,744 – 9/1/00-8/31/01.


The following PUBLICATIONS have appeared:


The following **TECHNOLOGY TRANSFER** transactions have occurred:

*In the interest of protecting confidential information, the titles of invention disclosures and patent applications will not be published until after a patent has been issued. Inventors outside of the School of Pharmacy will not be published until after a patent has been issued.*

**INVENTION DISCLOSURES FILED IN 2000**
- Mahmoud ElSohly, Samir Ross, et al.
- Hamidreza Ghandehari, Anjan Nan, Dhammika Nanayakkara
- John Buolamwini
- Alicia Bouldin, Mike Fortenberry, Noel Wilkin
- N. P. Dhammika Nanayakkara and Kevin Shrades
- Isamu Katsuyama, David Stewart, and Jordan Zjawiony

**PATENT APPLICATIONS PENDING APPROVAL**
- David S. Pasco, Nirmal Pugh, Mahmoud ElSohly, Samir Ross
- David S. Pasco, Nirmal Pugh, Mahmoud ElSohly, Samir Ross
- Mark T. Hamann, Khalid El Sayed et.al.
- Mitchell A. Avery
- David S. Pasco et. al.
- John K. Buolamwini et. al.
- Mahmoud ElSohly, Samir Ross, et al
- N. P. Dhammika Nanayakkara et. al.

**RECENT PATENTS GRANTED:**

- “1,2-Dithiolane Derivatives”
  Mitchell Avery et.al.

- “Enhanced Yield Of Podophyllotoxin From Natural Products Through In Situ Conversion Methods”
  Camilo Canel; Franck E. Dayan; ; Rita M. Moraes; Charles L. Burandt;

The following **SPECIAL ANNOUNCEMENTS** are also listed:
- Dr. Walt Chambliss was elected Chair-Elect of Basic Sciences in the APRS section of APhA.
- Dr. Walt Chambliss has been invited to give a presentation at the 4th Annual Consumer and Diversified Products Conference that will be held during the annual Controlled Release Society Meeting in June 2001 in San Diego. The requested title for his presentation is “Dietary Supplements and Controlled Release”.
- Dr. Bruce Parks has been elected a Fellow of the American College of Clinical Pharmacy. Fellowship in the College recognizes and rewards the highest levels of excellence in the practice and science of Clinical Pharmacy. The awarding of Fellow status is the highest honor the College can bestow on its
members. Dr. Parks has helped establish, by example, to people both within and outside the College, the definition of ACCP Fellowship.

Please continue to send me important research and graduate information so that I might share it with your faculty colleagues. **THIS INFORMATION IS NOW BEING POSTED ON THE SCHOOL OF PHARMACY WEB PAGE!** Thank you.

cc: Interim Dean Robert D. Sindelar
    Ms. Barbara Lago
    Ms. Beverly Urbanek
    Ms. Dabney Weems