

PHILIP MORRIS U. S. A.  
INTER-OFFICE CORRESPONDENCE  
RICHMOND, VIRGINIA

To: . Dr. J. L. Charles Date: August 2, 1982  
From: . V. J. DeNoble  
Subject: . Promotion of Dr. Paul C. Mele to Research Scientist

I am pleased to recommend the promotion of Dr. Paul Mele to the level of Research Scientist.

Dr. Mele graduated from Union College, Schenectady, New York with a B. S. degree in Psychology and Biology in 1972. He subsequently obtained a M. S. degree and a Ph. D. degree from Adelphi University, Garden City, New York in Experimental Psychology in 1980. Paul's doctoral dissertation was an in-depth analysis of serotonin antagonists and their interaction with the behavioral effects of d-amphetamine.

After graduate school, Dr. Mele received a postdoctoral research fellowship in environmental toxicology and pathology (National Institute of Environmental Health Sciences Training Grant) at the Environmental Toxicology Center and Primate Laboratory, University of Wisconsin, Madison, WI. His research activities at Wisconsin were in the areas of behavioral pharmacology, behavioral toxicology and behavioral teratology. Using rodents and nonhuman primates, Paul investigated the active and chronic behavioral effects of psychoactive drugs, chemical manipulations of neurotransmitter systems, and environmental contaminants. Through the use of operant conditioning techniques the influence of environmental factors in determining these effects were emphasized. In addition to postdoctoral research, Paul has continued his education with postgraduate courses in environmental toxicology, pharmacology, biochemical pharmacology and neurochemistry. Paul's research over the past several years have led to peer reviewed journal publications and several published abstracts which were presented at various professional meetings (see references).

Dr. Mele joined Philip Morris in November, 1981 as a Scientist in the Behavioral Research Group animal research laboratory (Charge Number 1600, now Behavioral Pharmacology laboratory, Biochemical Research, Charge Number 1610). In that assignment, he worked on three ongoing projects. First, he actively participated in the studies of the ~~behavioral effects of nicotine~~. These studies are directed at the identification of neural sites mediating the behavioral effects of nicotine. His specific contributions involved the daily testing of rats, the placement of brain cannula into rats and the analysis and write-up of results. Second, Paul was an active collaborator on a project designed to examine the ~~behavioral effects of nicotine~~. The results of this project were unique and unprecedented and have led to a manuscript, which Paul is a co-author on, that is now in review for publication in Nature.<sup>5</sup> Perhaps most

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important is Paul's contribution to the s [REDACTED]  
He is currently conducting a series of neurochemical manipulation and  
assessing the effects on behavior maintained by [REDACTED]  
infusions.

In addition to his contribution to ongoing research projects,  
Dr. Mele has developed his own research line, one that complements and  
extends existing plans. Paul is studying the re [REDACTED] contributions  
[REDACTED] he  
[REDACTED]. This project not only strengthens  
our understanding of the effects of nicotine but also provides a sensitive  
base line from which structure-activity [REDACTED] es  
can be [REDACTED]. A second investigation in progress will compare and  
contrast the [REDACTED]. This  
effort will help us to identify possible biochemical mechanisms of nicotine  
induced tolerance.

In another series of experiments, Dr. Mele is examining  
[REDACTED]  
[REDACTED] Since there are no reports of nicotinic supersensiti-  
vity in the central nervous system, the efforts if successful may  
represent a major breakthrough. Should supersensitivity to nicotine  
prove to be a reliable phenomenon, then an [REDACTED] the  
num [REDACTED]  
[REDACTED] Dr. Mele has been collaborating with Dr. L. Abood  
on this project.

In the past nine months, Paul has helped train, develop,  
coach, and counsel an Associate Scientist B. Paul has helped monitor  
the work for accuracy and completeness and provided useful input to his  
project leader on the progress and performance of the Associate Scientist  
B. Dr. Mele has also co-authored a manuscript<sup>5</sup> (for external review)  
another that is in the internal review process,<sup>4</sup> and an Annual Report for  
the Behavioral Pharmacology Laboratory.<sup>10</sup>

Dr. Mele's performance at Philip Morris has been outstanding.  
His research represents large scale projects that addresses a wide range  
of problems. His plan and research designs are extremely creative. His  
knowledge of behavior, and the variables which control it give Paul a  
sound scientific basis from which he has started his investigative  
inquiries.

Paul has coordinated the computerization of the Behavioral  
Pharmacology Laboratory and acted as the vendor contact for the purchasing  
of a computer system. He has also coordinated and planned the air purifi-  
cation systems purchase for the laboratory. In addition, Paul has served  
as the Behavioral Research group's safety representative since November,  
1981.

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Dr. Mele routinely attends interdivisional meetings, interacts with consultants and has made voluntary presentations at these meetings.

I have personally observed Dr. Paul Mele's professional conduct at technical society meetings and he has always conducted himself in a manner consistent with high professional standards and Philip Morris can be proud of him representing the company.

I have had various professional and personal contacts with Paul for many years and I find him to be very capable, enthusiastic, hard working scientist who has much curiosity about ideas and who frequently goes beyond what is required. In personal association, I find Paul to be a very likeable and stimulating person one with whom I welcome discussion.

Dr. Paul Mele has demonstrated to me that he possesses the personal and professional qualities that are expected of a Research Scientist. I, therefore, request that you give favorable consideration to his promotion at the earliest possible opportunity.

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Attachment

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