Project No. G-33-635
Project Director: H. O. House
Sponsor: NIH - National Institute of General Medical Sciences
Type Agreement: Grant No. 1-R01-AM 30735-01
Award Period: From 6-1-82 To 5-31-83 (Performance) 8-31-83 (Reports)

Sponsor Amount: $96,560
Cost Sharing: $508,720 (G-33-322)
Title: Special Structural Features to Control Reactions

ADMIRISTRATIVE DATA

1) Sponsor Technical Contact: Program Administrator:
Dr. Carl F. Kuehner
(301) 496-7181

2) Sponsor Admin/Contractual Matters: Grants Management Specialists:
Dr. Amy J. Collier
Mr. J. Cashen
(301) 496-7166

Defense Priority Rating: N/A
Security Classification: N/A

RESTRICTIONS

See Attached Supplemental Information Sheet for Additional Requirements.

Travel: Foreign travel must have prior approval – Contact OCA in each case. Domestic travel requires sponsor approval where total will exceed greater of $500 or 125% of approved proposal budget category.

Equipment: Title vests with GTI

COMMENTS:

COPYES TO:

Research Security Services
Research Property Management
Accounting
Procurement/EES Supply Services

EES Public Relations (2)
Computer Input
Project File
Other

FORM OCA 4:781
SPONSORED PROJECT TERMINATION/CLOSEOUT SHEET

Date 10/12/83

Project No. G-33-635

School Chemistry

Includes Subproject No(s) NONE

Project Director(s) Dr. Herbert C. House

GTR EHS/PHS/NIH – National Institute of General Medical Sciences.

Title: Special Structural features to Control Reactions

Effective Completion Date: 5/31/83 (Performance) (Reports)

Grant/Contract Closeout Actions Remaining:

X None

Final Invoice or Final Fiscal Report

Closing Documents

Final Report of Inventions

Govt. Property Inventory & Related Certificate

Classified Material Certificate

Other

Continues Project No. 

Continued by Project No. G-33-645

COPIES TO:

Project Director
Research Administrative Network
Research Property Management
Accounting
Procurement/EES Supply Services
Research Security Services

Library
GTRI
Research Communications (2)
Project File

Other

Form OCA 58:1004
Special Structural Features to Control Reactions


(2) Reprints: 2 reprints of publication #1 are enclosed.

(3) Progress Report:

Our methods for generating the bicyclo[3.2.1]octenones and for generating and isolating 2-phenyl-bicyclo[3.3.1]nonenone have now been described (ms #1 and #2). Also, our work to determine the favored conformations of 4-ketoperhydroazulenes and to control the conformations with a 6-t-butyl substituent have been described (ms #3 and #4). In collaboration with Dr. W. S. Trahanovsky of Iowa State Univ., we are continuing our work to isolate and to study the chemistry of the more reactive bicyclo[3.3.1]nonenones and bicyclo[3.2.1]octenones. Our work in the perhydroazulene field is continuing with studies of the stereochemistry of various reactions with 4-ketoperhydroazulene systems that have known conformations. Work to prepare chiral reagents based upon 1,8-diphenylanthracene derivatives and work to develop a photostimulated intramolecular enolate alkylation reaction are now under way.