

Name: George Allen Nixon

SS#: 532-42-8907

Year Appointed: 1961

Department: Chemistry

(a) Academic Degrees

Washington State University, Pullman, Washington, Chemistry, B. S. 1961

East Texas State University, Commerce, Texas, Chemistry, M.S. 1964

Notre Dame University, Nelson, B.C. Canada, 1957 1959

Baylor University, Waco, Texas, 1964

Louisiana State University, Baton Rouge, Louisiana, 1966-1967

(b) Professional Experience:

Assistant Professor of Chemistry, East Texas State University, 1974-present

Instructor of Chemistry, East Texas State University, 1961-1974

Cancer Research Scholarship, M.D. Anderson Hospital, Houston, Texas, Summer 1975

Adjunct Professor, Instructor of Chemistry, Northeast Texas Community College, 1986-1987

(c) Faculty and Administrative Load

| | | |
|-------------|------------------------|---------------------------------------------|
| Fall 2004 | Chemistry 112 | General Chemistry with lab tutorial |
| | Chemistry 102 | Chemical Calculations |
| | Chemistry 102 | Chemical Calculations |
| | Chemistry 107 | Organic and Bio Chemistry with lab tutorial |
| | Integrated Science 151 | Physics, Earth Science, and Chemistry |
| | Chemistry 107 | Lab supervision |
| | Chemistry 112 | Lab supervision |
| Spring 2004 | Chemistry 108 | Organic and Bio Chemistry with lab tutorial |
| | Chemistry 102 | Chemical Calculations |
| | Chemistry 102 | Chemical Calculations |
| | Integrated Science 151 | Physics, Earth Science, and Chemistry |
| | Chemistry 112 | General Chemistry |
| | Chemistry 397 | Chemical Calculations |

| | | |
|-------------|------------------------|---------------------------------------------|
| | Chemistry 108 | Lab supervision |
| | Chemistry 112 | Lab supervision |
| Fall 2003 | Chemistry 112 | General Chemistry with lab tutorial |
| | Chemistry 102 | Chemical Calculations |
| | Chemistry 102 | Chemical Calculations |
| | Chemistry 107 | Organic and Bio Chemistry with lab tutorial |
| | Integrated Science 151 | Physics, Earth Science, and Chemistry |
| | Integrated Science 151 | Lab supervision |
| | Chemistry 107 | Lab supervision |
| | Chemistry 112 | Lab supervision |
| Spring 2003 | Chemistry 108 | Organic and Bio Chemistry with lab tutorial |
| | Chemistry 101 | Chemical Calculations |
| | Chemistry 212 | Organic Chemistry |
| | Chemistry 111 | General Chemistry |
| | Chemistry 202 | Tutorial for Organic 212(Problem session) |
| | Chemistry 212 | Lab supervision |
| | Chemistry 108 | Lab supervision |
| | Chemistry 111 | Lab supervision |
| Fall 2002 | Chemistry 211 | Organic Chemistry |
| | Chemistry 202 | Organic Tutorial |
| | Chemistry 112 | General Chemistry |
| | Chemistry 102 | Tutorial for General Chemistry |
| | Chemistry 107 | Bio and Organic Chemistry |
| | Chemistry 211 | Laboratory supervision |
| | Chemistry 112 | Laboratory supervision |
| | Chemistry 107 | Laboratory supervision |
| Spring 2002 | Chemistry 108 | Organic and Bio Chemistry with lab tutorial |
| | Chemistry 111 | General Chemistry |
| | Chemistry 111 | Lab supervision |
| | Chemistry 101 | General Chemistry Tutorial(Problem session) |
| | Chemistry 212 | Organic Chemistry |
| | Chemistry 202 | Tutorial for Organic 212(Problem session) |
| | Chemistry 212 | Lab supervision |

| | | |
|-------------|-------------------|------------------------------------------------|
| Fall 2001 | Chemistry 211 | Organic Chemistry |
| | Chemistry 201 | Problem Solving |
| | Chemistry 112 | General Chemistry |
| | Chemistry 102 | Problem Solving |
| | Chemistry 211 | Laboratory supervision |
| | Chemistry 112 | Laboratory supervision |
| | Int Sci 151 | Physics, Earth Science and Chemistry |
| Spring 2001 | Chemistry 108 | Organic and Bio Chemistry |
| | Chemistry 108 | Lab supervision |
| | Chemistry 406 | Making of the Atom Bomb |
| | Chemistry 112 | General Chemistry |
| | Chemistry 112 | Lab supervision |
| Fall 2000 | Chemistry 111.002 | With three labs tutorials General Chemistry |
| | Chemistry 101.004 | General Chemistry tutorial |
| | Chemistry 108.001 | With one lab tutorial Organic and Biochemistry |
| | Chemistry 306.001 | Intelligent Life in the Universe |
| Spring 2000 | Chemistry 112.002 | With 3 labs tutorial General Chemistry |
| | Chemistry 102.004 | Tutorial General Chemistry |
| | Chemistry 406.001 | Atomic Bomb |
| | Chemistry 108.001 | With lab tutorial Organic & Biochemistry |
| Fall 1999 | Chemistry 101.003 | Chemical Calculations |
| | Chemistry 111.002 | General Chemistry with 2 lab tutorials |
| | Chemistry 306.001 | Intelligent Life in Universe |
| | Int Sci 151.001 | Integrated Science |
| Spring 1999 | Chemistry 102.003 | Introduction to Chemistry Calculations |
| | Chemistry 108.001 | Organic & Biochemistry with lab tutorial |
| | Chemistry 302.001 | Introduction to Criminalistics |
| | Chemistry 406.001 | Making of the Atomic Bomb |
| | Int. Sci. 152.001 | Integrated Science |
| Fall 1998 | Chemistry 101.002 | Chemical Calculations |
| | Chemistry 107.001 | Survey of General Chemistry with Lab tutorial |
| | Chemistry 306.001 | Us Intelligent Life in Universe |
| | Int Sci 151.001 | Integrated Science |

| | | |
|---------------|------------------------|------------------------------------------|
| Spring 1998 | Chemistry 101.004 | Chem Calculations |
| | Chemistry 108.001 | Organic & Biochemistry With Lab tutorial |
| | Chemistry 302.001 | Criminalistics |
| | Chemistry 406.001 | Making the Atomic Bomb |
| | Int Sci 152.001 | Integrated Science |
| Spring 1997 | Chemistry 108.001 | SurveyOrgan/Biochem |
| | Chemistry 406.001 | Making of the Atomic Bomb |
| Fall 1996 | Chemistry 101.001 | Introduction to Chem Calculations I |
| | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 306.001 | Intelligent Life Universe |
| Summer 2 1996 | Chemistry 112.001 | General and Quantitative Chemistry |
| Summer 1 1996 | Chemistry 111.001 | General and Quantitative Chemistry |
| Spring 1996 | Chemistry 102.001 | Introduction to Chem Calculations II |
| | Chemistry 108.001 | Survey of Organic and Biochemistry |
| | Chemistry 302.001 | Introduction to Criminalistics |
| | Chemistry 406.001 | Making of the Atomic Bomb |
| Fall 1995 | Chemistry 101.001 | Introduction to Chem Calculations I |
| | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 306.001 | Intelligent Life Universe |
| Summer 2 1995 | Not on Teaching Salary | |
| Summer 1 1995 | Not on Teaching Salary | |
| Spring 1995 | Chemistry 102.001 | Introduction to Chem Calculations II |
| | Chemistry 108.001 | Survey of Organic and Biochemistry |
| | Chemistry 302.001 | Introduction to Criminalistics |
| | Chemistry 406.001 | Making of the Atomic Bomb |
| Fall 1994 | Chemistry 101.001 | Introduction to Chem Calculations I |
| | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 306.001 | Intelligent Life Universe |
| Summer 2 1994 | Not on Teaching Salary | |
| Summer 1 1994 | Not on Teaching Salary | |
| Spring 1994 | Chemistry 102.001 | Introduction to Chem Calculations II |

| | | |
|----------------|------------------------|-------------------------------------------------------------|
| | Chemistry 108.001 | Survey of Organic and Biochemistry |
| | Chemistry 302.001 | Introduction to Criminalistics |
| | Chemistry 406.001 | Making of the Atomic Bomb |
| Fall 1993 | Chemistry 101.001 | Introduction to Chem Calculations I |
| | Chemistry 107.001 | Survey of Organic and Biochemistry |
| | Chemistry 306.001 | Intelligent Life Universe |
| Summer 2 1993 | Not on Teaching Salary | |
| Summer 1 1993 | Chemistry 111.001 | General and Quantitative Chemistry |
| | Chemistry 418.001 | Undergraduate Research |
| Spring 1993 | Chemistry 108.001 | Survey of Organic and Biochemistry |
| | Chemistry 302.001 | Introductory Criminalistics |
| | Chemistry 406.001 | Making of the Atomic Bomb |
| Fall 1992 | Chemistry 103.001 | Modern Science: Concepts and Historical Development to 1900 |
| | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 306.001 | Intelligent Line In the Universe (11 hours teaching) |
| Summer 2 1992 | Not on Teaching Salary | |
| Summer 1 1992 | Not on Teaching Salary | |
| Spring 1992 | Chemistry 101.001 | Introduction to Chemical Calculations II |
| | Chemistry 108.001 | Survey of Organic and Biochemistry |
| | Chemistry 212.001 | Organic Chemistry |
| | Chemistry 302.001 | Introductory Criminalistics (12 hours teaching) |
| Fall 1991 | Chemistry 101.001 | Introduction to Chemical Calculations I |
| | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 112.001 | General and Quantitative Chemistry |
| | Chemistry 211.001 | Organic Chemistry (13 hrs. teaching) |
| Summer 2 1991 | Not on Teaching Salary | |
| Summer 1, 1991 | Not on Teaching Salary | |
| Spring 91 | Chemistry 101.001 | Introduction to Chemical Calculations I |
| | Chemistry 108.001 | Survey of Organic and Biochemistry |
| | Chemistry 111.001 | General and Quantitative Chemistry |
| | Chemistry 302.001 | Introductory Criminalistics |
| | Chemistry 307.001 | Special Topics: Chemistry of Wine |
| | Chemistry 418.001 | Undergraduate Research |

| | | |
|---------------|----------------------------------------|-------------------------------------------------------------------|
| | | (16 hrs. teaching) |
| Fall 1990 | Chemistry 102.001 | Introduction to Chemical Calculations (2 sections) |
| | Chemistry 103.001 | Modern Science: Concepts and Historical Development to 1900 |
| | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 112.001 | General and Quantitative Chemistry |
| | Chemistry 597.001 | Special Topics: Physical Science 1 (Chemistry) (17 hrs. teaching) |
| Summer 2 1990 | Not on Teaching Salary | |
| Summer 1 1990 | Chemistry 111.001 Chemistry 2111 | General and Quantitative Organic Chemistry (8 hrs. teaching) |
| Spring 1990 | Chemistry 101.001 | Introduction to Chemical Calculations I (2 Sections) |
| | Chemistry 108.001 | Survey of Organic and Biochemistry |
| | Chemistry 111.001 | General and Quantitative Chemistry |
| | Chemistry 212.001 | Organic Chemistry |
| | Chemistry 397.001 | Chemistry of Wine (14 hrs. teaching) |
| Fall 1989 | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 112.001 | General and Quantitative Chemistry |
| | Chemistry 211.001 | Organic Chemistry (8hrs. Teaching) |
| Summer 2 1989 | Not on Teaching Salary | |
| Summer 1,1989 | Chemistry 111.001 Chemistry 211.001 | General and Quantitative Organic Chemistry (8 hrs. teaching) |
| Spring 1989 | Chemistry 108.001 | Survey of Organic and Biochemistry |
| | Chemistry 111.001 | General and Quantitative Chemistry |
| | Chemistry 211.001 | Organic Chemistry |

(12 hrs. Teaching)

| | | |
|-----------|-------------------|------------------------------------|
| Fall 1989 | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 112.001 | General and Quantitative Chemistry |
| | Chemistry 212.001 | Organic Chemistry |
| | Chemistry 397.001 | Chemistry of Wine |
| | | (12 hrs teaching) |

| | |
|---------------|------------------------|
| Summer 2 1988 | Not on Teaching Salary |
|---------------|------------------------|

| | | |
|---------------|-------------------|------------------------------------|
| Spring 1 1988 | Chemistry 111.001 | General and Quantitative Chemistry |
| | Chemistry 397.001 | Principles of General Chemistry |
| | | (6 hrs. Teaching) |

| | | |
|-------------|-------------------|------------------------------------|
| Spring 1988 | Chemistry 108.001 | Survey of General Chemistry |
| | Chemistry 111.001 | General and Quantitative Chemistry |
| | Chemistry 211.001 | Organic Chemistry |
| | | (12 hrs. Teaching) |

| | | |
|-----------|-------------------|------------------------------------|
| Fall 1997 | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 112.001 | General and Quantitative Chemistry |
| | Chemistry 397.001 | Basic Concepts of Physical Science |
| | | (12 hrs Teaching) |

| | | |
|-------------|-------------------|------------------------------------|
| Spring 1987 | Chemistry 108.001 | Survey of Organic and Biochemistry |
| | Chemistry 111.001 | General and Quantitative Chemistry |
| | Chemistry 211.001 | Organic Chemistry |
| | | (12 hrs Teaching) |

| | | |
|-----------|-------------------|------------------------------------|
| Fall 1986 | Chemistry 107.001 | Survey of General Chemistry |
| | Chemistry 112.001 | General and Quantitative Chemistry |
| | Chemistry 397.001 | Chemistry of Wine |

4.) Service Activities

A.) University

(1.) University Wide

Service to the East Texas State University Athletic Department and to the Football program in particular 1998 to 2000.

Administered March 10, 1986, the State Board Exam for High School Teachers

Several presentations to visiting High School Students 1999-2000

Chemical lecture & demonstration via Randy McDonald & Suzanne Woodley .

Donated to the Dr. Steven L. Razniak Scholarship Fund \$600 received for services rendered to Nippon Television Co. during their filming of "Astonishing News."

(2.) College

(a) On Arts & Science Recruiting task force 2000

(b) Pre Medical Committee 1999 to present

(c) Committee for Hiring new Chemistry Department Head 1999

(3.) Departmental

English Usage Exam grader

Faculty Senate 1989-present

Wine Preparation with 10 students in the 397 course. "Methods of Making and Bottling Wine."

Adventures in Research 1987, developed with Dr. K. L. Peterson

B) Community

Energy calculation for E-Systems Greenville Division, March 1988

Vice Chairman of the Board of the American Red Cross for Hunt, Rains, and Delta Counties, elected in 1987. This requires about 36 hours per year .

Certification of lifeguards at he Commerce City Pool. (As requested by the Zeppa Center Staff (80 hours)

Water analysis of city pool water to determine apparent leakage in the new Commerce City Pool

Presented Several Wine Appreciation Seminars by the Department of Chemistry for social clubs in Hunt and Delta counties.

5. Professional Association, Activities

Chairman of the Board, American Red Cross, Tri-Counties Chapter, 1985- 86 (Hunt, Rains, and Delta Counties)

6. Professional Assignments, Activities

None

7. Publications, Exhibitions, Performers. Etc.

a) Refereed adjudicated, etc

1.) National

Team Teaching an Introductory Wine Course at the College Level,
with D. R. Lee and F. A McClurg, I. Chem. Educ. 1986, 63, 1964.

Synthesis and Biological Evaluation of Soluble 2-Boroneoethylthio
Compounds, with A. II. Saloway, D. W. Thominson, and J. D.
Campbell, I. Med. Chem. 1964, 7, 640-653.

2.) State/Regional - None

3.) Local - None

(b.) Non-refereed, adjudicated, etc.

1.) National

Evaluation and review of *Integrated Science*, Second Edition by authors Bill W. Tillery,
Eldon P. Enger and Frederick C. Ross was completed on July 17, 2003 for McGraw-Hill,
Inc.

Preparation of an Integrated Teaching Strategy for the second edition of Physical Science by
Tillery, Enger, and Ross. The teaching strategy is part of the web resources for teachers
that accompanies this textbook.

2.) State/Regional -None

3.) Local

Reviewed environmental science manuscript submitted for publication by Dr. Chip Fox.

8. Papers Presented, Workshops, Demonstrations, etc.

1.) National

Chautauqua N.S.F. Development Program 2004 Chemistry of outer space via the Star Dust Explorer, University of Washington

"Green Chemistry in Education" workshop held at the University of Oregon July 26-August 1, 2003. Professors James Hutchison and Kenneth Doxsee, presenters, July 2003.

Chautauqua N.S.F. Development Program 2002 Creativity and Innovation – G. Graham and Zinovy Royzen, University of Washington

Chautauqua N.S.F. Development Program 2002 Making Science relevant for Science and Engineering Majors – Thomas Stoebe, University of Washington

Chautauqua N.S.F. Development Program 2001 Ceramics : Superconductors and Energy storage – Faith Dogan, University of Washington Interdisciplinary Science Course for Elementary Education

Majors, with R. Kolstad, National Science Teachers Association Convention, San Antonio, Texas, November 19-21, 1987

The Science and Aesthetics of Wine, with F. A. McClurg, The Society of Wine Educators, San Francisco, California, 1985

Team Teaching an Introductory Wine Course at the College Level, with F. A. McClurg, Department of Vine-Culture at the Fachhochschule in Wiesbaden, Technical University of Wiesbaden, West Germany, 1984

Chemistry for Elementary Teachers, National Teachers Association Meeting, Kansas State University, Manh. Kansas, 1989

2.) State/Regional

"Strategies to promote Active Learning in Chemistry Courses Workshop," held in Stephenville, Texas was given by Prof. Eileen L. Lewis, Dept of Chemistry, University of California, Berkeley, 2003.

Using Models to Teach Molecular Chemistry in the Primary Grades, with R. Kolstad, A TE Mid America Regional Conference, Lake Texoma, act. 5, 1989

Team Teaching an Introductory Wine Course at the College level, with F. A. McClurg, Joint Southwest/Southeast Regional Meeting of the American Chemical Society, Memphis, TN, 1985

The Science and Aesthetics of Wine, with F.A. McClurg, The Texas Academy of Sciences, San Antonio, Texas, 1984

3.) Local

Honors Society, ETSU, Wine Tasting

Home Economics, ETSU, Food Tasting

E-Systems, Greenville, Executive Wine Tasting

Judged the Sigma Xi Scientific Research Society's annual Student-Faculty Research for April/2004.

Acted as consultant to Nippon Television during their filming of "Astonishing News," a Japanese forensic science movie about the mutilating of three West Texas women. (Tim Ries, Production Manager, Milky Way Med Inc., 193 Washington Park, Brooklyn, N.Y. 11205)

Developed demonstration for University Recruitment as requested by Randy McDonald, Admissions

9.) Research

Data on the morphological transition of "Pigeon Grape" and "Little Mountain Grape" has utilized about 18-20 hours of continuous computer time. This data will be used by Dr.s Peterson, Comeaux, and Mr. Nixon to publish a paper regarding the morphological transitions of one variety of grape into the other .

Received \$600 minigrant from Texas A&M University-Commerce in Fall 2004 to study surface chemistry with Dr. Anil Chourasia

10.) Conference Attended

Attended Conference for the Advancement of Science Teaching, Houston, Texas. Oct 30,2003—Nov 1, 2003

11.) Grants, Proposals

Application of Pattern Recognition to the Classification of Texas Grape Species and to the Classification of Atomic Uranium Energy Levels, with K. L. Peterson,

ETSU Faculty Research, \$10,770 requested. Not funded.

A total of \$189,345 for grants requested but only \$10,000 was available for funding.

Departmental Grant, with Drs. Razniak, Quane, and Ashley, Robert A. Welch Foundation, 1988-90, \$75,000 funded.

Grant from EFSA, Texas Coordinating Board, with R. Kolstad, \$50,000, 1987-88, funded

Elementary Grades with Dr. R. Kolstad and D. Richardson, National Science Foundation, \$165,000, June 1989.

East Texas State University Organized Research Grant, 1966, \$6,000.00, funded

Applied for Faculty Research Mini Grant \$500.00 on February 7, 1997 from TAMU .