

A GLIMPSE INTO THE PAST WITH AN EYE TO THE FUTURE

R. N. GLADDING

THE HISTORY OF ANY ORGANIZATION PROPERLY RECORDED SHOULD REFLECT THE CHARACTER, MOTIVATION AND ACCOMPLISHMENTS OF ITS PEOPLE. TO EVALUATE HOW WELL THE OBJECTIVES HAVE BEEN ACHIEVED, ONE NEEDS TO SEEK ANSWERS TO THE FOLLOWING QUESTIONS. WHERE HAVE WE BEEN? WHERE ARE WE NOW? WHERE DO WE WANT TO BE?

INDUSTRIAL DEVELOPMENT AND ACADEMIC ADVANCEMENT WERE SLOW DURING THE EARLY COLONIAL PERIOD. HISTORY TELLS OF REPEATED FAILURES FOR ALMOST THREE CENTURIES IN THE DEVELOPMENT OF INDUSTRIAL AND MANUFACTURING ARTS. IT WAS 300 YEARS AFTER THE LANDING AT JAMESTOWN THAT THE VIRGINIA SECTION HAD ITS BEGINNING AND AT THAT TIME IT WAS DOMINATED BY AGRICULTURAL CHEMISTS RATHER THAN INDUSTRIAL. IN 1907 CHEMISTS FROM THE VIRGINIA DEPARTMENT OF AGRICULTURE, VIRGINIA-CAROLINA CHEMICAL CORP., TOBACCO BY-PRODUCTS CORPORATION, AND FROEHLING AND ROBERTSON MET WITH PROFESSORS FROM RANDOLPH-MACON AND RICHMOND COLLEGE TO DISCUSS THE FORMATION OF A VIRGINIA CHEMISTS CLUB. DURING THEIR DISCUSSION IT WAS DECIDED THAT IT WOULD NOT BE FEASIBLE TO FORM A SECTION OF THE AMERICAN CHEMICAL SOCIETY AS THERE WERE MANY CHEMISTS UNABLE TO PAY THE \$8.00 A.C.S. DUES.

AS A RESULT OF THE INTEREST SHOWN DURING THEIR FIRST MEETING, A SECOND MEETING WAS CALLED ON JANUARY 15, 1907 AT 8:00 p.m. IN THE CORPORATION COURT ROOM OF THE STATE CAPITAL AT WHICH TIME THE VIRGINIA CHEMISTS CLUB WAS ORGANIZED. IT IS RECORDED IN THE MINUTES THAT THERE WERE BETWEEN 40 OR 50 IN ATTENDANCE. AFTER SOME DISCUSSION THE DUES WERE SET AT \$1.50 PER YEAR. IT IS INTERESTING TO KNOW THAT ONE OF THE MEMBERS PRESENTED THE GROUP WITH A SUBSCRIPTION TO THE JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. THE LIST OF THE PAST PRESIDENTS OF THE CLUB AND THEIR TENURE OF OFFICE IS SHOWN ON THE FIRST SLIDE.

SLIDE I - PAST PRESIDENTS OF CHEMIST CLUB (COMMENTS ON POSITIONS HELD)

1907 Dr. E. W. MAGRUDER, CHIEF CHEMIST, VA. DEPT. OF AGRIC. AND LATER
ASSOCIATED WITH F. S. ROYSTER COMPANY

1908 Dr. EUGENE C. BINGHAM, FORMER PROF. OF CHEMISTRY AT RICHMOND COLLEGE,
LATER AT LAFAYETTE COLLEGE, AUTHOR OF
"FLUIDITY AND PLASTICITY."

1909 DR. F. B. CARPENTER, CHIEF CHEMIST, VA. CAROLINA CHEMICAL CORP.

1910 DEAN WORTHLEY F. RUDD, DEAN OF SCHOOL OF PHARMACY, M.C.V.

1911 DR. A. M. FORRESTER, MANAGER OF KENTUCKY TOBACCO PRODUCTS, ANTECEDENT
TO TOBACCO BY-PRODUCTS AND CHEMICAL CORP.

1912 DR. ANDREW ROBERTSON, ONE OF THE FOUNDERS OF FROEHLING AND ROBERTSON

1913 DR. C. M. BRADSBURY, CHEMIST WITH VA. DEPT. OF AGRIC. AND FORMERLY
A MISSIONARY TO JAPAN

1914 DR. E. W. MAGRUDER, SECOND TERM AS PRESIDENT

DURING THE COURSE OF ITS HISTORY THE VIRGINIA CHEMISTS' CLUB PUBLISHED TWO VOLUMES OF PROCEEDINGS AND THUS ESTABLISHED PRECEDENT FOR THE BULLETIN WHICH BEGAN PUBLICATION IN 1923. THE SOCIAL HOUR PRIOR TO THE FORMAL MEETING WAS ALSO INITIATED BY THE CLUB AND HAS SINCE THAT TIME BEEN A PART OF THE SECTION'S MEETINGS.

THE VIRGINIA CHEMISTS CLUB UNDER THE LEADERSHIP OF THESE MEN BECAME THE FORERUNNER OF THE VIRGINIA SECTION OF THE AMERICAN CHEMICAL SOCIETY. IN JANUARY 1909 THE CLUB PETITIONED THE A.C.S. COUNCIL TO ACCEPT THE ORGANIZATION AS THE VIRGINIA SECTION PROVIDED THAT PRACTICALLY ALL THE STATE OF VIRGINIA BE GIVEN AS THE SECTION'S TERRITORY. SOME ELEVEN MONTHS LATER, THE COUNCIL DECLINED TO GIVE THE TERRITORY FOR WHICH THE APPLICATION HAD BEEN MADE. SIX YEARS LATER ON FEBRUARY 12, 1915, A SECOND PETITION TO ESTABLISH A LOCAL SECTION OF THE A.C.S. IN VIRGINIA WAS PRESENTED TO COUNCIL SIGNED BY NINE MEMBERS OF THE CLUB. THE COUNCIL APPROVED THIS PETITION AND A CHARTER WAS ISSUED TO THE VIRGINIA SECTION ON APRIL 9, 1915. THERE WERE THIRTY-ONE (31) CHARTER MEMBERS.

NEXT SLIDE PLEASE. SLIDE II - THE CHARTER (READ MATERIAL ON SLIDE)

CHARTER
OF THE VIRGINIA SECTION OF THE AMERICAN
CHEMICAL SOCIETY

BY AUTHORITY OF THE DIRECTORS AND THE COUNCIL OF THE AMERICAN CHEMICAL SOCIETY, A LOCAL SECTION OF THAT SOCIETY TO BE KNOWN AS THE VIRGINIA SECTION WITH HEADQUARTERS AT RICHMOND, VA., AND EMBRACING THE TERRITORY IN THE STATE OF VIRGINIA OUTSIDE OF ALEXANDRIA COUNTY IS HEREBY ESTABLISHED.

Washington, D. C.	Charles L. Parsons	C H Herty
April 9, 1915	Secretary	President

TODAY THERE IS NO ALEXANDRIA COUNTY BUT IN ITS PLACE, ARLINGTON COUNTY AND THE CITY OF ALEXANDRIA. THIS CHANGE WAS MADE 4-7-27 AND THE CHARTER CHANGED TO READ ARLINGTON COUNTY AND ALEXANDRIA, VIRGINIA.

NEXT SLIDE PLEASE. SLIDE III - J. B. ROBB (COMMENTS)

OUR FIRST CHAIRMAN WAS J. BERNARD ROBB, A BELOVED MEMBER OF OUR SECTION WHOM MANY OF YOU HAD THE PRIVILEGE OF KNOWING. AT THE TIME OF HIS CHAIRMANSHIP, HE WAS A MEMBER OF THE STAFF OF THE VIRGINIA DEPT. OF AGRIC., AND AS MANY OF YOU KNOW LATER FORMED THE FIRM OF ROBB AND MOODY, A PRIVATE TESTING LABORATORY. HE PASSED AWAY THE LAST OF AUGUST 1965.

TO REFRESH SOME OF YOUR MEMORIES AND TO ACQUAINT OTHERS WITH SOME OF THE EARLIER MEMBERS OF OUR SECTION, I HAVE INCLUDED TWO PICTURES OF THESE.

NEXT SLIDE PLEASE. SLIDE IV - READING FROM LEFT TO RIGHT.

DR. SIDNEY S. NEGUS, CHAIRMAN 1927, FORMER PROFESSOR OF BIOCHEMISTRY AT M.C.V. DIRECTOR OF PRESS RELATIONS FOR AAAS AND FEDERATION BEFORE HIS PASSING. ALSO A PAST PRESIDENT OF VA. ACAD. OF SCIENCE.

MR. WILLIAM CLIFF, CHAIRMAN 1926, FORMER SECRETARY AND TREASURER OF PHIPPS AND BIRD

DR. JOHN C. FORBES, CHAIRMAN 1938, FORMER PROFESSOR OF BIOCHEMISTRY AT M.C.V. AND CHAIRMAN OF COLLEGE'S FIRST COMMITTEE ON GRADUATE STUDIES. HE IS NOW RETIRED. PAST PRESIDENT OF VA. ACAD. OF SCIENCE.

DR. JOHN H. YOE, CHAIRMAN 1936, FORMER PROFESSOR OF CHEMISTRY AT UNIV. OF VIRGINIA, NOW RETIRED.

GENERAL EDWIN "PETE" COX, CHAIRMAN 1929, FORMER VICE PRESIDENT OF VIRGINIA

CAROLINA CHEMICAL CORPORATION

DR. F. B. CARPENTER, PAST PRESIDENT OF VIRGINIA CHEMISTS CLUB, NEVER SERVED
AS CHAIRMAN OF SECTION.

DR. W. G. CROCKETT, CHAIRMAN 1930, FORMER PROFESSOR AT M.C.V. - DECEASED.

MAJOR W. CATESBY JONES, CHAIRMAN 1920, FORMER CHIEF CHEMIST AT VIRGINIA DEPT.
OF AGRICULTURE. NOW DECEASED.

MR. J. BERNARD ROBB, CHAIRMAN 1915, ALSO AUTHOR OF "WELCOME HINGES", DESCRIBING
FOLKLORE DURING PLANTATION DAYS.

MR. THOMAS A. BALTHIS, CHAIRMAN 1935, FORMER CHEMIST AT VIRGINIA DEPT. OF
AGRIC. NOW RETIRED.

DR. IRA A. UPDIKE, CHAIRMAN 1937, FORMER PROFESSOR OF CHEMISTRY AT RANDOLPH-
MACON COLLEGE. NOW RETIRED.

MR. RODNEY C. BERRY, CHAIRMAN 1939, FORMER CHIEF CHEMIST AT VA. DEPT. OF AGRIC.
AND NOW EXECUTIVE SECRETARY OF VIRGINIA ACADEMY OF
SCIENCE.

NEXT SLIDE PLEASE. SLIDE V - READING FROM LEFT TO RIGHT

MR. RODNEY C. BERRY, CHAIRMAN 1939

DR. JAMES W. COLE, CHAIRMAN 1943, FORMER PROFESSOR OF CHEMISTRY AT UNIV. OF
VIRGINIA, NOW PRESIDENT OF VIRGINIA ACADEMY OF
SCIENCE.

DEAN WORTHY F. RUDD, CHAIRMAN 1922, 1923, FORMER DEAN OF SCHOOL OF PHARMACY
AT M.C.V.

DR. HIRAM R. HANMER, CHAIRMAN 1942, FORMER VICE PRESIDENT OF DEPT. OF RES. AND
DEV., THE AMERICAN TOBACCO COMPANY AND PAST PRESIDENT
OF VIRGINIA ACADEMY OF SCIENCE. ALSO GENERAL CHAIRMAN
SOUTHEASTERN REGIONAL MEETING.

Dr. SIDNEY S. NEGUS, CHAIRMAN 1927, SERVED AS EDITOR OF BULLETIN 1925.

MR. EDWARD S. HARLOW, CHAIRMAN 1948, ASST. MANAGING DIRECTOR, DEPT. OF RES. AND
DEV., THE AMERICAN TOBACCO COMPANY, ALSO PAST
PRESIDENT OF VA. ACADEMY OF SCIENCE.

MR. THOMAS A. BALTHIS, CHAIRMAN 1935

MR. FOLEY F. SMITH, CHAIRMAN 1946, CHIEF CHEMIST, A.B.C. BOARD LABORATORIES AND
PAST PRESIDENT OF VA. ACADEMY OF SCIENCE.

DR. ROBERT E. LUTZ, CHAIRMAN 1949, PROFESSOR OF ORGANIC CHEMISTRY, UNIV. OF VA.

NEXT SLIDE PLEASE. SLIDE VI. (THE MAP) SHOWING THE BOUNDARIES OF EACH
SECTION IN THE STATE OF VIRGINIA

SINCE ITS FORMATION, THE SECTION HAS TWICE RELEASED TERRITORY TO ESTABLISH NEW A.C.S. SECTIONS UPON REQUEST OF THE MEMBERS WITHIN THESE TERRITORIES. IN 1931 TWELVE COUNTIES IN SOUTHWEST VIRGINIA WERE RELEASED TO FORM THE VIRGINIA BLUE RIDGE SECTION AND IN 1944 THIRTEEN COUNTIES AND THE CITY AREAS AROUND NORFOLK WERE RELEASED TO FORM THE HAMPTON ROADS SECTION. AS ONE CAN SEE THE PRESENT AREA OF THE SECTION IS STILL LARGE: APPROXIMATELY A 200 MILE SQUARE IN CENTRAL VIRGINIA.

IN 1915 THE VIRGINIA SECTION WAS THE 49th A.C.S. SECTION AND ITS 31 CHARTER MEMBERS REPRESENTED 0.4% OF THE 7,417 A.C.S. MEMBERS. TODAY IT IS ONE OF 167 SECTIONS AND ITS MEMBERSHIP REPRESENTS 0.8% OF THE MORE THAN 100,000 A.C.S. MEMBERS.

FOR A NUMBER OF YEARS THE SECTION HAS ARRANGED TEN OR MORE MEETINGS PER YEAR WHICH HAVE COVERED THE AREA FROM RICHMOND TO WAYNESBORO AND CHARLOTTESVILLE ON THE WEST TO WILLIAMSBURG ON THE EAST AND FROM FREDERICKSBURG ON THE NORTH TO HOPEWELL ON THE SOUTH.

AS SHOWN ON THE NEXT SLIDE, THE SECTION HAS BEEN HOST TO FOUR NATIONAL MEETINGS.

SLIDE VII - (NATIONAL MEETINGS) READ MATERIAL ON SLIDE.

THE AMERICAN CHEMICAL SOCIETY - APRIL 1927
THE SEVENTH NATIONAL ORGANIC SYMPOSIUM - DECEMBER 1937
THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE - DECEMBER 1938
THE A.C.S. SOUTHEASTERN REGIONAL MEETING - NOVEMBER 1959

THE NATIONAL MEETING WAS A HIGHLIGHT OF THE SECTION'S EARLY YEARS. IT IS INTERESTING TO NOTE THAT THE NET BALANCE IN THE TREASURY AT THE CLOSE OF THIS MEETING WAS \$1,900. ONE THOUSAND OF THIS BALANCE WAS INVESTED BY THE SECTION IN 6% BONDS WHICH MATURED IN 1937 AND WAS THE BEGINNING OF THE NEST EGG ON WHICH THE FINANCES OF OUR PRESENT SECTION GREW. THE LARGER PORTION OF THE REMAINING PROFIT WAS GIVEN TO THE A.C.S. ENDOWMENT FUND.

IT SHOULD ALSO BE NOTED THAT THE EFFICIENT HANDLING OF THE FINANCES DURING THE SOUTHEASTERN REGIONAL MEETING ALSO RESULTED IN A NET PROFIT TO THE SECTION OF APPROXIMATELY \$1,000.

THE VIRGINIA SECTION HAS LONG BEEN INTERESTED IN AND IDENTIFIED WITH IMPROVEMENTS IN THE FIELD OF CHEMICAL EDUCATION AS WILL BE ILLUSTRATED BY THE NEXT SEVERAL SLIDES.

NEXT SLIDE PLEASE. SLIDE VIII. PRIZE ESSAY CONTEST IN CHEMISTRY, 1924 - THIS WAS FOR HIGH SCHOOL STUDENTS AND CREATED AN INTEREST IN CHEMISTRY AMONG LAYMEN AT THAT TIME THAT WOULD HAVE BEEN DIFFICULT TO DEVELOP BY OTHER MEANS.

NEXT SLIDE PLEASE. SLIDE IX - CHEMICAL EDUCATION BY RADIO - 1930

THE FIRST BROADCAST FROM W.R.V.A. WAS CONDUCTED BY DR. SIDNEY S. NEGUS, FORMER PROFESSOR OF BIOCHEMISTRY AT M.C.V. AND FOR MANY YEARS IN CHARGE OF PRESS RELATIONS FOR AAAS AND THE FEDERATION. THE BROADCAST DEALT WITH SCIENTIFIC CURRENT EVENTS. A SECOND SERIES WAS BROADCAST BY W.D.B.J. IN ROANOKE THE SAME YEAR. THE SECTION HAS CONTINUED ITS INTEREST IN RADIO AND NOW IN COOPERATION WITH THE NATIONAL SOCIETY SUPPLIES "MEN AND MOLECULES" TO RADIO STATIONS THROUGHOUT THE STATE.

NEXT SLIDE PLEASE. SLIDE X (ASSISTANCE TO STATE BOARD OF EDUCATION)

AS EARLY AS 1933 THE SECTION OFFERED ASSISTANCE TO THE STATE BOARD OF EDUCATION IN THE AREA OF SCIENCE TEACHING WITH PARTICULAR EMPHASIS ON THE TEACHING OF CHEMISTRY. THIS INTEREST IS STILL ACTIVE AND IS A CONTINUING PROJECT IN WHICH THE SECTION IS STILL ENGAGED.

FURTHER RECOGNITION OF THE IMPORTANCE OF CHEMICAL EDUCATION WAS INITIATED IN 1947 WITH THE ESTABLISHMENT OF THE VIRGINIA SECTION AWARDS.

NEXT SLIDE PLEASE. SLIDE XI (VIRGINIA SECTION AWARDS - 1947)

(1) FOR DISTINGUISHED SERVICE TO THE PROFESSION OF CHEMISTRY (2) FOR DISTINGUISHED SERVICE IN THE FIELD OF SCIENCE TEACHING

THESE AWARDS CONSIST OF A SCROLL AND AN APPROPRIATELY INSCRIBED GIFT TO THE CHEMIST RECIPIENT AND A SCROLL AND A MONETARY STIPEND TO THE TEACHER RECIPIENT EACH YEAR. FOR MANY YEARS THESE AWARDS WERE SUBSIDIZED BY A CONTRIBUTION FROM

MRS. BRUCE B. MCCONNELL OF RICHMOND IN MEMORY OF HER HUSBAND, MR. HENRY K. MCCONNELL, A FORMER VICE PRESIDENT OF THE TOBACCO-BY-PRODUCTS AND CHEMICAL CORPORATION AND SECTION CHAIRMAN IN 1925. THE STIPEND FOR THE SCIENCE TEACHER WAS MADE POSSIBLE IN FORMER YEARS BY A CONTRIBUTION FROM DR. LAUREN B. HITCHCOCK, SECTION CHAIRMAN IN 1933. THROUGH THE MEDIUM OF RADIO AND T.V. THESE AWARDS HAVE RECEIVED GOOD PUBLIC RELATIONS COVERAGE THROUGHOUT THE STATE OF VIRGINIA. THE NEXT SLIDE WILL REFRESH YOUR MEMORY ON THE RECIPIENTS OF THESE AWARDS SINCE THEY WERE INITIATED IN 1947.

SLIDE XII. (DISTINGUISHED SERVICE AWARD RECIPIENTS) COMMENTS NEXT

SLIDE PLEASE. SLIDE XIII. (T.V. PROGRAMS)

IN RECENT YEARS THE SECTION HAS HAD A VERY AMBITIOUS T.V. PROGRAM CONSISTING OF CHEMICAL DEMONSTRATIONS, QUIZ CONTESTS FOR HIGH SCHOOL STUDENTS AND RESEARCH ACTIVITIES OF VIRGINIA INDUSTRIAL AND ACADEMIC LABORATORIES. SOME OF THESE PROGRAMS HAVE BEEN PRESENTED LIVE, OTHERS ON FILM AND TAPE. TWO FILMED 1964 SHOWS WON A THIRD PLACE AWARD IN THE UNITED PRESS INTERNATIONAL CONTEST FOR SPECIAL FEATURE PROGRAMS AND A BRONZE AWARD IN THE FOURTH INTERNATIONAL FILM AND T.V. FESTIVAL OF NEW YORK.

OVER THE YEARS, YOUR SECTION HAS UNDERTAKEN MANY ACTIVITIES DESIGNED TO RENDER ASSISTANCE IN PROBLEM AREAS AFFECTING THE STATE AND ITS PEOPLE.

NEXT SLIDE PLEASE. SLIDE XIV (SUPPORT OF AN ORPHAN SON OF FRENCH SCIENTIST)
WOULD WAR I

THE SECTION ADOPTED AND SUPPORTED THIS YOUNG MAN FROM VOLUNTARY CONTRIBUTIONS FROM THE MEMBERSHIP. FREQUENT LETTERS FROM THE BOY WERE READ AT SECTION MEETINGS.

NEXT SLIDE PLEASE. SLIDE XV (SERVICE TO RICHMOND OFFICE OF CIVILIAN DEFENSE)
WORLD WAR II

PARTICIPATION WAS IN THE FORM OF ADVICE AND ASSISTANCE IN THE AREAS OF GAS DETECTION, GAS AND FIRE DEFENSE, DECONTAMINATION AND OTHER TRAINING OF THE CIVILIAN POPULATION.

NEXT SLIDE PLEASE. SLIDE XVI (ESTABLISHMENT OF AN EMPLOYMENT CLEARING HOUSE) WORLD WAR II

THIS WAS HANDLED BY AN EMPLOYMENT COMMITTEE SET UP TO ASSIST CHEMISTS AND CHEMICAL ENGINEERS IN MAKING CONTACTS WITH PROSPECTIVE EMPLOYERS AND VICE VERSA. ANNOUNCEMENTS WERE CARRIED IN THE BULLETIN INDICATING NEEDS OF EMPLOYERS AS WELL AS APPLICANTS SEEKING JOBS. IT WAS OPERATED OF COURSE WITHOUT COST TO THE APPLICANT OR EMPLOYER.

IN OTHER AREAS AND ACTIVITIES AFFECTING THE STATE AND ITS PEOPLE, YOUR SECTION HAS OFFERED ITS SERVICES AND COOPERATION.

NEXT SLIDE PLEASE. SLIDE XVII (OFFERED COOPERATION TO STATE ON PROBLEMS OF STREAM POLLUTION)

IN DECEMBER 1936 THE SECTION ATTACKED A PROBLEM WHICH IS STILL WITH US TODAY.

IT WENT ON RECORD AS WISHING TO COOPERATE FULLY WITH THE STATE INTERESTS HAVING RESPONSIBILITY FOR STREAM POLLUTION.

NEXT SLIDE PLEASE. SLIDE XVIII (RECOMMENDATIONS TO THE VIRGINIA STATE CHAMBER OF COMMERCE 1939)

THESE RECOMMENDATIONS TO THE STATE CHAMBER WERE CONCERNED WITH SCIENTIFIC PERSONNEL BEING CONSIDERED BY THE SELECTION OF NEW MEMBERS OF THE CHAMBERS BOARD OF DIRECTORS. SINCE THIS TIME, WE HAVE HAD MEMBERS OF THE SECTION ON THE BOARD.

NEXT SLIDE PLEASE. SLIDE XIX (RECOMMENDATIONS TO THE COMMISSION ON HIGHER EDUCATION)

RECENTLY AS A SECTION OF THE A.C.S., AS WELL AS INDIVIDUALLY, WE HAVE BEEN CONCERNED WITH THE REPORT OF THE COMMISSION ON HIGHER EDUCATION AND THROUGH A COMMITTEE HEADED BY DR. FRED MILLHISER, TRANSMITTED TO THE DELEGATES OF THE VIRGINIA LEGISLATURE OUR CONCERN WITH THE EDUCATION OF CHEMISTS IN THE STATE OF VIRGINIA.

THIS IS AN AREA IN WHICH WE NEED TO BECOME MORE ACTIVE IF THE SCIENTISTS OF VIRGINIA ARE TO HAVE A MORE EFFECTIVE VOICE IN HIGH POLITICAL PLACES. WE ARE PROUD AS A SECTION TO HAVE ONE OF OUR MEMBERS AS CHAIRMAN OF THE COMMITTEE ON HIGHER EDUCATION IN THE PERSON OF SENATOR LLOYD C. BIRD. FOR A GROUP AS LARGE AS OURS, WE SHOULD, IN THE OPINION OF YOUR SPEAKER, ASPIRE TO MORE LEADERSHIP AND INFLUENCE IN THE POLITICAL AREA.

WHEN ONE LOOKS AT THE PAST ACTIVITIES AND AREAS WITH WHICH OUR SECTION HAS BEEN CONCERNED OPTIMISM AND OPPORTUNITY ARE CLEARLY SEEN ON THE HORIZON FOR EVEN GREATER ACCOMPLISHMENTS IN THE FUTURE. JUST RECENTLY ONE OF OUR GROUP HAS BEEN SELECTED AS THE NEW EDITOR OF CHEMICAL ABSTRACTS. I KNOW THAT THE SECTION MEMBERSHIP WISHES DR. RUSSELL J. ROWLETT, JR. EVERY SUCCESS IN HIS NEW POSITION AND WILL TAKE PARTICULAR PRIDE IN WATCHING HIS PROGRESS IN THIS VERY IMPORTANT ASSIGNMENT OF OUR NATIONAL SOCIETY.

YOUR SPEAKER CAN VISUALIZE MANY NEW VISTAS AND WITH THEM NEW CHALLENGES AS WE SEEK COLLECTIVELY AND INDIVIDUALLY THE PURSUIT OF NEW KNOWLEDGE IN THIS TECHNOLOGICAL AGE AND APPLY SUCH KNOWLEDGE FOR THE BETTERMENT OF OUR FELLOW MAN.

OUR MEMBERSHIP IS PRESENTLY MAKING MEANIFUL CONTRIBUTIONS IN THE FOLLOWING AS WELL AS OTHER FIELDS.

NEXT SLIDE PLEASE. SLIDE XX (SPACE TECHNOLOGY, MIRACLE DRUGS, TEXTILES AND PACKAGING, INTER-SPACE TECHNOLOGY, SCIENCE TEACHING)

I SHARE THE OPINION VOICED BY MANY OTHER MEMBERS OF OUR SOCIETY THAT THE GREATEST OPPORTUNITY FOR SERVICE LIES IN THE FIELD OF SCIENCE TEACHING. THE CONTRIBUTIONS TO THIS CAUSE, MADE AT THE LOCAL LEVEL, WILL DETERMINE TO A LARGE EXTENT THE EFFECTIVENESS AND USEFULNESS OF OUR SOCIETY IN THE FUTURE. DR. T. L. CAIRNS, DIRECTOR OF RESEARCH AT DU PONT SAID AT THE MIAMI MEETING AND I QUOTE, "THE HIGH SCHOOL TEACHER TODAY IS, MORE SO THAN ANY OTHER FACTOR, THE INFLUENCE IN DETERMINING CAREER CHOICE, AND THAT THE PROFESSION OF CHEMISTRY AND SCIENCE IN GENERAL NEEDS A LARGER SHARE OF THE BRIGHTEST YOUNG PEOPLE MORE THAN EVER." END QUOTE,

A VERY REALISTIC LOOK INTO THE FUTURE FOR OUR PROFESSION WAS MADE RECENTLY BY DR. GORDON M. HARRIS OF THE UNIVERSITY OF BUFFALO AND I QUOTE, "AN EFFORT MUST BE MADE TO GET ACROSS TO THE NON-CHEMIST THE FACT THAT CHEMISTRY IS NOT SOMETHING UNRELATED TO OUR LIVES, BUT NEEDS RATHER TO BE ACCEPTED AS PART AND PARCEL OF OUR CULTURE." "THE MODERN-DAY CHEMIST-EDUCATOR MUST FIND WAYS TO PROMOTE A MUCH MORE THOROUGH ABSORPTION OF SCIENCE INTO OUR CULTURAL PATTERN." ONE REQUIREMENT IS TO FOLLOW THE LEAD OF THE MATHEMATICIANS AND DEVELOP A 'NEW CHEMISTRY' FOR SCHOOL CHILDREN. A SLIGHT START HAS IN FACT BEEN MADE IN THIS DIRECTION BY A FEW GROUPS OF CHEMIST-EDUCATORS, BUT THE DEGREE OF COOPERATION BETWEEN PROFESSIONAL SCIENTISTS AND PROFESSIONAL EDUCATORS NEEDED TO ACHIEVE THE DESIRED GOAL DOES NOT AS YET EXIST."

DR. HARRIS FURTHER STATED THAT "THE TOTAL NUMBER OF STUDENTS IN OUR COLLEGES AND UNIVERSITIES GROWS BY LEAPS AND BOUNDS, BUT THE PERCENTAGE OF CHEMISTRY MAJORS IN THE STUDENT BODIES STEADILY DECREASES. . . . FROM 2.0 PERCENT IN 1963 TO ABOUT 1.6 PERCENT IN 1966." END QUOTE.

WE MUST, THROUGH BETTER PUBLIC RELATIONS CREATE A MORE ATTRACTIVE IMAGE OF THE CHEMIST AND CHEMISTRY IF THE NEED FOR MORE PROFESSIONAL CHEMISTS IS TO CATCH UP WITH THE DEMAND.

AS A SECTION OF THE A.C.S. WE HAVE THE BUILDING BLOCKS AND A FIRM FOUNDATION ON WHICH TO BUILD A PLACE OF GREATER INFLUENCE IN OUR STATE. THROUGH CLOSER COOPERATION WITH HIGH SCHOOL TEACHERS OF CHEMISTRY WE HAVE AN OPPORTUNITY TO ENCOURAGE PROMISING STUDENTS TO ENTER THE PROFESSION. FOR THOSE STUDENTS WHO DO NOT BECOME SCIENTISTS, BUT ENTER AREAS OF PUBLIC SERVICE, WE SHOULD STRIVE TO SEE TO IT THAT THEY ARE SCIENTIFICALLY LITERATE AS I BELIEVE THEY MUST BE IN OUR MODERN SOCIETY.

LAST SLIDE PLEASE. (COLOR SLIDE OF A VASE OF ROSES WITH "I THANK YOU" CARD)

ACKNOWLEDGEMENT

SOME OF THE MATERIAL USED IN THE PREPARATION OF THE SLIDES FOR THIS PRESENTATION WAS OBTAINED FROM THE PAPER "THE VIRGINIA SECTION'S FIRST FIFTY YEARS" PRESENTED BEFORE THE HISTORY OF CHEMISTRY DIVISION, A.C.S., ATLANTIC CITY, NEW JERSEY, SEPTEMBER 14, 1965 BY DR. RUSSELL J. ROWLETT, JR.