

**Raymond L. Holmes, Jr., PLS, PP, CDT**  
7 Stratford Place, New Brunswick, NJ 08901-3031  
Tel.: (908) 693-0175 Fax: (732) 249-1754  
[rlhplspp@att.net](mailto:rlhplspp@att.net) <http://prolandsurveyors.com>

## **EXPERIENCE**

May 2006-  
June 2018

### **City of East Orange Department of Public Works**

Plans and Construction Division  
44 City Hall Plaza, East Orange, New Jersey

#### **City Surveyor**

Supervises and performs field surveys, boundary analysis, resolve boundary disputes, office mapping, prepares metes and bounds descriptions, set property corner markers; does construction layout and area computations; field inspections for construction and demolition; prepares correspondence and other documents related to construction and demolition; reviews subdivisions and site plans, meets with public officials, contractors and citizens; responds to questions of a technical nature regarding property; involved in the coordination of construction activities and performs other related duties as required; including maintaining the City's tax maps, assisting in preparing plan, closeout documents and other construction related documents, including preparing progress reports, computing as-built quantities and setting construction limits and controls.

Jan. 1990-  
Currently

### **Professional Land Services, Inc.**

7 Stratford Place, New Brunswick, New Jersey

#### **Lead Professional**

Supervises staff and project scheduling, field surveying, office computations, preparation of plans and maps, provide expert testimony and client consultation.

May 1981-  
Dec. 1989

### **R. L. Holmes & Associates, Inc.**

660 Franklin Blvd., Somerset, New Jersey

#### **Lead Professional**

Oversaw surveying, engineering and mapping operations; daily activities included preparation of plans and maps, project management, scheduling and estimating of projects, invoicing, providing expert testimony and client consultation.

July 1983-  
Oct. 1986

### **New Jersey Department of Transportation**

Surface Design, 1035 Parkway Avenue, Trenton, New Jersey

#### **Provisional Principal Engineer**

Involved in the preparation of right of way and contract plans for highway construction; duties included designing horizontal and vertical alignments, hydraulic and hydrologic calculations and design and all necessary work to develop construction plans; consultant communications & coordination

Oct. 1979-  
July 1983

### **Middlesex County Engineering Department**

Post Office Box 1248, New Brunswick, New Jersey

#### **Senior Engineering Aide**

As chief of party, performed field surveys, office computations and assisted in the preparation of plans for improving and reconstructing roadways, drainage culverts, bridges, traffic signalizations and parking facilities.

## **Raymond L. Holmes, Jr., PLS, PP, CDT**

- March 1978-  
Sept. 1979     **Bernard R. Berson Associates**  
279 New Brunswick Avenue, Fords, New Jersey  
*Surveying Technician*  
Duties included property surveys for subdivisions and site plans, construction stakeouts, and boundary, hydrographic and topographic surveys.
- May 1978-  
Nov. 1978     **Calvin H. Gibson & Associates**  
86 Washington Street, East Orange, New Jersey  
*Surveying Technician*  
Performed highly responsible and varied technical work involving the preparation of plans for route, geodetic, photogrammetric, hydrographic, planimetric, and topographic surveys
- Oct. 1971-  
May 1978     **Middlesex County Engineering Department**  
P. O. Box 1248, New Brunswick, New Jersey 08901  
*Engineering Technician*  
Directed route, hydrographic, planimetric, and topographic surveys and assisted in the preparation of construction plans for various projects.
- Aug. 1976-  
April 1978    **John J. Reiser, Jr., Professional Engineer and Land Surveyor**  
P. O. Box 7295, North Brunswick, New Jersey 08902-7295  
*Surveying Technician*  
Duties included preparing property location surveys and computing areas and boundary closures for minor subdivisions and title surveys; preparing metes and bounds descriptions.
- Oct. 1968-  
Dec. 1968     **Singer Engineering**  
59 East Northfield Road, Livingston, New Jersey  
*Drafting Trainee (part-time after school)*  
Duties included drawing, tracing and related responsibilities for mechanical and aeronautical engineering parts and plans.

## **EDUCATION**     (currently earned 129 college credits)

- 1969-1972     **Rutgers, the State University-University College**  
New Brunswick, New Jersey  
*Creative Writing*
- 1973-1981     **Middlesex County College**  
Edison, New Jersey  
*Civil Engineering Technology and Land Surveying Technology*
- 2010- 2011    **Thomas A. Edison State College**  
Trenton, New Jersey  
*Associate degree in Applied Science & Technology*

## **EXPERIENCE IN**

Land Surveying	Civil Engineering
Land Planning	Real Estate Law
Traffic Engineering	Right-Of-Way Engineering

## **PROFESSIONAL CERTIFICATIONS**

New Jersey Licensed Land Surveyor  
New Jersey Licensed Land Planner  
New Jersey Real Estate Sales Representative  
New Jersey Commissioned Notary  
Certified Construction Documents Technologist  
N.J. Commercial Driver License, Class B

## **PROFESSIONAL MEMBERSHIPS**

Garden State Land Surveyors Alliance  
New Jersey Society of Professional Land Surveyors  
Charter Member of the Central New Jersey Chapter  
National Society of Professional Surveyors  
New Jersey Society of Professional Planners  
American Society of Notaries – Lifetime Membership  
Construction Specification Institute

## **RECOGNITIONS & HONORS**

- ◇ Outstanding African-American Part-time Student – M.C.C.
- ◇ Certificate in Civil/Construction Engineering Technology - M.C.C.
- ◇ Certificate in Land Surveying Technology - M.C.C.
- ◇ Federal Highway Administration Grant Recipient
- ◇ Certificate of Copyright Registration Ownership and Right-Of-Way Search Guide
- ◇ The John F. Wyzalek Memorial Award Competition in the Practice of Metals  
Technical Technology for Report Writing- American Society for Metals
- ◇ Banneker Sponsorship Award for NSPS Trig-Star Program
- ◇ Martin Luther King, Jr. Community Players Community Award
- ◇ Jaycees Presidential Award of Honor
- ◇ Rotarian of the Year Award for 1992-93

## **VOLUNTEER WORK**

- ◇ Started an annual blood drive in Gary Branch's honor at East Orange City Hall
- ◇ Volunteered with the American Red Cross and East Orange Fire Department to install smoke detectors in home throughout the city
- ◇ A volunteer for FedEx Cup Playoff Barclays

## **EDUCATIONAL INSTITUTIONS ATTENDED**

Middlesex County College (M.C.C.)  
Thomas A. Edison College (T.A.E.C.)  
N. J. Institute of Technology (N.J.I.T.)  
The Traffic Institute - Northwestern University (N.U.)  
Rutgers University – University College (R.U.)  
Pennsylvania State University - University Park (P.S.U.)  
Virginia Polytechnic Institute - Geodetic Engineering Division (V.P.I.)  
University of Wisconsin - Madison, College of Engineering (U.W.)  
Federal Emergency Management Agency (F.E.M.A.)  
Construction Specifications Institute (C.S.I.)  
University of Illinois at Urbana-Champaign (U.I.)  
City of East Orange (EO)

## **TECHNICAL COURSES**

Construction Management Certificate	M.C.C.
Construction Contracts	M.C.C.
Cost Estimating and Administration	M.C.C.
Asphalt Principles of Paving	R.U.
Introduction to Global Positioning Systems	U.W.
Surveyor Refresher & Professional Exam Review	V.P.I.
Technical Writing for Scientists & Engineers	N.J.D.O.T.
Traffic Geometric Design Workshop	N.W.U.T.I.
Seminar for Traffic Engineering Technical Assistants	N.W.U.T.I.
Project Management	N.J.T.I.
Professional Conduct & Legal Constraint	N.J.S.P.L.S.
Urban & Suburban Development	M.C.C.
Hydraulics	M.C.C.
Real Estate Principles	M.C.C.
Understanding Surveying Measurements	P.S.U.
North American Vertical Datum of 1988 Seminar	N.J.D.O.T.
Hydrologic Design for Highway Stream Crossings	N.J.D.O.T.
Astronomic Azimuth & State Plane Coordinate Control	P.S.U.
Geometric Design Workshop	N.W.U.T.I.
Surveying 1 & 2	M.C.C.
Civil Engineering Drawing	M.C.C.
Business Organization & Management	M.C.C.
Urban & Suburban Development	M.C.C.
Route Surveying	M.C.C.
Technical Development of Surveying	M.C.C.
Boundary Laws I & II	M.C.C.
Technical Graphics, CAD I	M.C.C.
Office Practice Workshop	N.J.S.P.L.S.
The Professional Land Surveyor & The Law Workshop	N.J.S.P.L.S.
Introduction to Rotary Leadership Training	Rotary
Traffic & Transportation Engineering Seminar	N.W.U.T.I.
FHWA Valve Engineering Workshop	N.J.D.O.T.
Construction Management Training Workshop	N.J.I.T.
CAD II Applications in Civil Engineering	M.C.C.
Cardiopulmonary Resuscitation	N.J.D.O.T.
Hydrology for Transportation Engineers	N.J.D.O.T.
Introductory Astronomy	.A.E.C.
Party Chief: Engineering Surveys	N.J.S.P.L.S.
Deeds & Deed Descriptions	N.J.S.P.L.S.
MicroPAVER Training Course	U.I.
When to use Ground, Aircraft and/or UAS Mapping Techniques	N.J.P.L.S.

## **TECHNICAL COURSES (CONT.)**

<i>Construction Methods and Materials</i>	M.C.C.
<i>Project Management</i>	M.C.C.
<i>Asphalt Roads: Common Maintenance Problems</i>	R.U.
<i>MiddlesexCounty Multiple Listing System</i>	M.C.C.
<i>Algebra I &amp; II</i>	M.C.C.
<i>College Algebra &amp; Trigonometry</i>	M.C.C.
<i>Introduction to FORTRAN</i>	M.C.C.
<i>Identifying &amp; Marking Skills</i>	M.C.C.
<i>Introduction to Geographic Information Systems</i>	N.J.S.P.L.S
<i>Legal Issues for New Jersey Professional Land Surveyors</i>	HalfMoon LLC
<i>An In-Depth Study of Easements</i>	N.J.S.P.L.S.
<i>Boundary Retracement &amp; Unwritten Property Rights</i>	N.J.S.P.L.S.
<i>Elevation Certificates, Then and Now</i>	F.E.M.A.
<i>New Jersey LiDAR Remote Sensing</i>	R.U.
<i>Senior Officials Workshop for All-Hazards Preparedness</i>	F.E.M.A.
<i>Urban and Suburban Planning and Development</i>	M.C.C.
<i>Review for Land Surveyors</i>	R.U.
<i>Chief of Party Workshop</i>	N.J.S.P.L.S.
<i>Construction Safety and OSHA</i>	M.C.C.
<i>Excavations &amp; Trenching Operations</i>	M.C.C.
<i>History of Surveying in New Jersey</i>	N.J.S.P.L.S.
<i>Survey Instrumentation Workshop</i>	N.J.S.P.L.S.
<i>Surveying and New Jersey Law</i>	N.J.S.P.L.S.
<i>Photogrammetric Applications for Surveyors &amp; Engineers</i>	A.C.S.M.-A.S.P.
<i>Field Notes &amp; Modern Alternatives</i>	N.J.S.P.L.S.
<i>Leadership Skills</i>	N.J.D.O.T.
<i>Computer Training Course for Road Design Engineering</i>	N.J.D.O.T.
<i>Effective Writing</i>	N.J.D.O.T.
<i>Effective Listening</i>	N.J.D.O.T.
<i>Soil Mechanics</i>	M.C.C.
<i>Construction Materials &amp; Estimates</i>	M.C.C.
<i>Engineering Graphics I</i>	M.C.C.
<i>Engineering Economics</i>	M.C.C.
<i>Static &amp; Strength of Materials</i>	M.C.C.
<i>Strength of Materials II</i>	M.C.C.
<i>Reinforce Concrete Design</i>	M.C.C.
<i>College Physics 1 &amp; 2</i>	M.C.C.
<i>Steel Design</i>	M.C.C.
<i>Statistics</i>	R.U.
<i>Fundamental Public Speaking</i>	M.C.C.
<i>Composition</i>	R.U.
<i>Studies in History of Civilization</i>	R.U.
<i>Studies in Literature</i>	R.U.
<i>General Economics</i>	R.U.
<i>Introduction of College Mathematics</i>	R.U.
<i>Introduction to Computers and Data Processing</i>	N.J.D.O.T.
<i>G.P.S. &amp; E.D.M. Measurements</i>	N.J.S.P.L.S.
<i>Real Time G.P.S.</i>	N.J.S.P.L.S.
<i>Map Filing Requirements</i>	G.S.L.S.A.
<i>Insurance Principles</i>	G.S.L.S.A.
<i>Fundamentals of Real Property Boundary Law</i>	G.S.L.S.A.
<i>Map Filing Law</i>	N.J.S.P.L.S.
<i>FEMA/NFIP Background, Flood Maps, Zone A &amp; BFEs</i>	N.J.S.P.L.S.
<i>Preparation of Deed Description</i>	N.J.S.P.L.S.
<i>Adverse Possession</i>	N.J.S.P.L.S.
<i>Work Zone Safety for Municipal, County, Utilities &amp; Public Works</i>	R.U.

## **TECHNICAL COURSES (CONT.)**

<i>GIS and GIS Data Collection for Surveyors</i>	<i>N.J.S.P.L.S.</i>
<i>Construction Site Safety</i>	<i>M.C.C.</i>
<i>NSE Defensive Driving Course</i>	<i>N.S.C.</i>
<i>National Flood Insurance Program</i>	<i>F.E.M.A.</i>
<i>U.S. Copyright Protection</i>	<i>G.S.L.S.A.</i>
<i>ALTA/ACSM Surveys</i>	<i>G.S.L.S.A.</i>
<i>G.I.S. Land Use Planning</i>	<i>N.J.S.P.L.S.</i>
<i>Introduction to Least Squares Adjustments with STAR*NET</i>	<i>N.J.S.P.L.S.</i>
<i>Performing Surveys for Green Acres Approval</i>	<i>N.J.S.P.L.S.</i>
<i>Freshwater Wetlands Protection Act Rules</i>	<i>N.J.S.P.L.S.</i>
<i>Tax Map Integration in the Digital Age</i>	<i>N.J.S.P.L.S.</i>
<i>Photogrammetry for the Land Surveyor</i>	<i>N.J.S.P.L.S.</i>
<i>Hydrographic Surveying</i>	<i>N.J.S.P.L.S.</i>
<i>Expert Witness Testimony</i>	<i>N.J.S.P.L.S.</i>
<i>Notary Public: Loan Signing Agent</i>	<i>M.C.C.</i>
<i>Power of Negotiating</i>	<i>M.C.C.</i>
<i>Delegation Skills for Leaders</i>	<i>M.C.C.</i>
<i>Photoshop CS5 Introduction</i>	<i>M.C.C.</i>
<i>New Jersey Easements and Rights of Way</i>	<i>N.J.S.P.L.S.</i>
<i>Terrestrial and Mobile LiDAR Mapping Systems</i>	<i>N.J.S.P.L.S.</i>
<i>Using TMLS for Accurate Intelligent Infrastructure</i>	<i>N.J.S.P.L.S.</i>
<i>2011 ALTA/NSPS Land Title Surveys</i>	<i>N.J.S.P.L.S.</i>
<i>Managing Difficult People and Situations</i>	<i>M.C.C.</i>
<i>Conflict Resolution</i>	<i>M.C.C.</i>
<i>Wetlands Basics for Surveyors</i>	<i>N.J.S.P.L.S.</i>
<i>2016 ALTA/NSPS Land Title Surveys</i>	<i>N.J.S.P.L.S.</i>
<i>Courtroom Preparation and Testimony</i>	<i>N.J.S.P.L.S.</i>
<i>Subsurface Utility Engineering Process</i>	<i>N.J.S.P.L.S.</i>
<i>New Jersey Tidelands Claims</i>	<i>N.J.S.P.L.S.</i>
<i>A Guide to FEMA, FIRMS and NFIP</i>	<i>N.J.S.P.L.S.</i>
<i>Legal Issues in Employment</i>	<i>M.C.C.</i>
<i>Senior Officials Workshop for All-Hazards Preparedness</i>	<i>F.E.M.A.</i>
<i>Site Control Issues</i>	<i>N.J.S.P.L.S.</i>
<i>Retracements – Following the Footsteps</i>	<i>N.J.S.P.L.S.</i>
<i>Using Today’s Technology for Inspection and Design Projects</i>	<i>N.J.S.P.L.S.</i>
<i>Terrain Modeling, Contouring and Analysis in AutoCAD</i>	<i>N.J.S.P.L.S.</i>
<i>Construction Fundamentals</i>	<i>C.S.I.</i>
<i>Planning and Pre-Design, Project Conception</i>	<i>C.S.I.</i>
<i>Planning and Pre-Design, Project Delivery</i>	<i>C.S.I.</i>
<i>Design - Design</i>	<i>C.S.I.</i>
<i>Design – Construction Documents</i>	<i>C.S.I.</i>
<i>Procurement</i>	<i>C.S.I.</i>
<i>Construction</i>	<i>C.S.I.</i>
<i>Post-Construction</i>	<i>C.S.I.</i>
<i>Forensic Surveying</i>	<i>N.J.S.P.L.S.</i>
<i>G.P.S. Derive Heights</i>	<i>G.S.L.S.A.</i>
<i>Resurfacing and Using Computer Forms</i>	<i>N.J.D.O.T.</i>
<i>Interpretation of Plans &amp; Specifications</i>	<i>T.A.E.C.</i>
<i>Business Letter &amp; Report Writing 1</i>	<i>T.A.E.C.</i>
<i>Introductory Astronomy</i>	<i>T.A.E.C.</i>
<i>Physics II</i>	<i>T.A.E.C.</i>
<i>A Positive Approach to Dealing with People</i>	<i>N.J.S.P.L.S.</i>
<i>2016 Flood Insurance &amp; Floodplain &amp; Floodplain Management</i>	<i>N.J.S.P.L.S.</i>
<i>NJ Statutes &amp; Regulations for PLS &amp; PE</i>	<i>N.J.S.P.L.S.</i>
<i>Mysterious Municipal Lines</i>	<i>N.J.S.P.L.S.</i>

**PROFESSIONAL REFERENCES**

- |   |   |
|---|---|
| <p>1. Christopher A. Coke<br/>EODPW Director<br/>44 City Hall Plaza<br/>East Orange, NJ 07018<br/>(973)266-5336</p>                 | <p>3. Francis M. Crawford<br/>former EODPW Asst. City Engineer<br/>77 Orange Road<br/>Montclair, NJ 07042<br/>(973)783-7297</p>               |
| <p>2. Lisa Hendricks-Richardson, Esq.<br/>Attorney at law<br/>569 Dr. MLK, Jr. Boulevard<br/>Newark, NJ 07102<br/>(973)623-5733</p> | <p>4. Herbert G. McDonald, PLS, PP<br/>Herbert G. McDonald, Associates<br/>97 Salem Hill Road<br/>Howell, NJ 07731-2135<br/>(732)303-8255</p> |

**EXAMPLES OF PROJECTS COMPLETED**

EO2015 SET MUNICIPAL BOUNDARY LINES ALONG 100 STREETS IN THE CITY	<u>COMPLETED 100 STREETS</u>
EO1401 PREPARED TOPOGRAPHIC MAP AND LETTER OF MAP AMENDMENT APPLICATION FOR 60 EAST ORANGE PROPERTIES	<u>COMPLETED 20.0 ACRES</u>
EO2012 SUPERVISED THE REVISIONS TO THE OFFICIAL EAST ORANGE TAX MAPS FOR CERTIFICATION BY THE STATE OF NEW JERSEY	<u>COMPLETED 3.9 SQ MILES</u>
EO5630 REVISED PLAN FOR RECONSTRUCTION OF PRINCETON STREET, FROM CLIFFORD ST TO CENTRAL AVE	<u>COMPLETED 0.16 MILES</u>
P96013 MINOR SUBDIVISION OF 81 WELSH'S LANE, SOMERSET, NJ FOR MARIAN VOORHEES	<u>COMPLETED 7.5 ACRES</u>
EO2007 PREPARED TOPOGRAPHIC MAP & SITE PLAN FOR CITY SALT DOME AT MIDLAND YARD, EAST ORANGE, NJ	<u>COMPLETED 1.0 ACRES</u>
EO2009 RESEARCHED AND REVISED DRUG FREE ZONES MAP FOR EAST ORANGE, NJ	<u>COMPLETED 3.9 SQ MILES</u>
EO2801 PREPARED SOIL EROSION AND SEDIMENT CONTROL PLAN FOR 20-30 EVERGREEN PLACE, EAST ORANGE, NJ	<u>COMPLETED 2.2 ACRES</u>
P95034 SURVEY OF 103 BELLE MEADE-GRIGGSTOWN ROAD, MONTGOMERY, NJ FOR GUY AND ANN PERRY	<u>COMPLETED 10.0 ACRES</u>
P94167 SURVEY OF TAX MAP LOT 18.07, BLOCK 23, MONROE, NJ FOR SAMUEL LANDY, ESQ.	<u>COMPLETED 120.0 ACRES</u>
P96112 TOPOGRAPHIC SURVEY OF LIBRARY PARK FOR THE CITY OF PLAINFIELD, NJ	<u>COMPLETED 2.5 ACRES</u>
P93037 PREPARED VARIANCE MAP OF ROBERSON VILLAGE FOR NEW BRUNSWICK HOUSING AUTHORITY	<u>COMPLETED 8.8 ACRES</u>
P92041 SURVEY MAP OF PARCEL 4, EDISON, NJ FOR U.S. GOVERNMENT	<u>COMPLETED 29.1 ACRES</u>
P91112 CONTROL SURVEY OF LAND BELONGING TO FREEHOLD RACEWAY, FREEHOLD, NJ	<u>COMPLETED 36.5 ACRES</u>
N90040 TOPOGRAPHIC SURVEY OF PROPERTY BELONGING TO TRI-CITY SEWERAGE AUTHORITY, HOBOKEN, NJ	<u>COMPLETED 2.0 ACRES</u>
N90031 TOPOGRAPHIC SURVEY MAPS OF PROPERTY BELONGING TO EAST ORANGE BOARD OF EDUCATION, EAST ORANGE, NJ	<u>COMPLETED 24.6 ACRES</u>
N89216 TOPOGRAPHIC SURVEY OF PROPERTY BELONGING TO JERSEY CITY STATE COLLEGE, JERSEY CITY, NJ	<u>COMPLETED 15.9 ACRES</u>
N88104 CONTROL SURVEY OF GREENVILLE RAILROAD YARDS, JERSEY CITY, NJ FOR THE JERSEY CITY ECONOMIC DEVELOPMENT CORPORATION	<u>COMPLETED 300 ACRES</u>
N88162 DESIGNED MINOR SITE PLAN FOR TAX MAP LOT 8 IN BLOCK 34	

## **BIOGRAPHICAL SKETCH**

Going to college in the early seventies represented a time and place for ideas and idealism. I learned that self-determination meant owning and operating the means of production. With the help of a nucleus of friends we put this premise to the test by founding and publishing the Black Voice Newsletter. This was an alternative and supplement to the traditional campus newspaper.

After leaving college I spent the next ten years in civil service and working my way up to Provisional Principal Engineer at NJ Department of Transportation. Along the way, I became a licensed Professional Land Surveyor and Professional Planner and started a part-time surveying business.

In the mid 80's, a fellow surveyor made me an offer that I could not refuse. He was selling his business so he could devote more time to taking care of his ailing youngest son. I resigned from NJDOT. Brought his surveying records and equipment and went into business fulltime.

Initially, my father's entrepreneurial spirit provided me with the incentive and inspiration for going into business.

Additionally, I went into business because there were so few African-American owned and operated technically orientated firms in New Jersey. The business also worked as a training environment for minorities and others with an interest in civil engineering, land planning, land surveying, management and/or finance.

Currently, I am the lead professional for Professional Land Services, Inc., a small professional land surveying and planning group in central New Jersey with over 25 years' experience. My fulltime job is the City Surveyor for the City of East Orange. I oversee the upkeep of the City's Official Tax Assessment Maps for County and State certification. I assist in preparation of plans for reconstruction. I am a licensed Professional Land Surveyor and Planner in this state. I am also a Commissioned Notary and a licensed Real Estate Sales Representative. I have more than 40 years' experience in land surveying and civil engineering.

I have been active in professional activities for a number of years. I am a charter member of the Central Jersey Chapter of the New Jersey Society of Professional Land Surveyors, where I had served as chairperson of the Municipal Ordinance Committee, Secretary, and Treasurer. I am member of the Garden State Land Surveyors Alliance, New Jersey Society of Professional Land Surveyors, American Congress of Surveying & Mapping, New Jersey Society of Professional Planners, American Society of Notaries, National Society of Professional Surveyors, National Association for The Advancement of Black People and was a member of the Somerset chapter of the Rotary Club. I was awarded the Rotarian of the Year for 1992-1993.

The highlight of my career was when I spent a splendid four weeks in Ivory Coast, West Africa, surveying for the installation of a new satellite digital signal based television transmission system.