

# Ron C. Johnson A.Sc.T.

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## Functional summary

Writer, editor, instructor, consultant with more than 30 years experience in freelance writing/editing, college level instruction, electronics, instrumentation, instructional design and private enterprise. Skilled at researching, designing, writing and delivering user and training manuals, articles, help systems, web content and marketing communications.

## Employment

1999 – Present

Freelance technical and investment writing/editing for various clients / instructing and instructional design

- **B&B Electronics** – Write technical user manuals, data sheets, sell sheets and web content for industrial data communications products. Design document plans, templates, styles for manuals. Create graphics, screen shots, digital photographs. Test and validate product and software operation for documentation.
- **Agtron Enterprises** – Write technical user and training manuals for agricultural electronics products. Design document plans, plans and templates. Create graphics, screen shots, digital photographs. Design employment qualifications and evaluation tools.
- **Saskatchewan Institute of Applied Science and Technology** – Consult and develop electronics and instrumentation training materials for use in the lumber industry. Instruct Data Communications to instrumentation students. Instruct and develop labs for Data Acquisition to Chemical Technology students.
- **Assiniboine Community College** – Write training materials for agricultural uses of GPS technologies.
- **Technology Forecasters** – Research/write case studies related to Asian electronics industry. Conduct customer retention tract interviews and write reports.
- **Target Farming Book** – Write, self-publish, market and sell book on agricultural applications of information and GPS technologies.
- **Various clients** – Write articles, case studies, customer success stories. Conduct feasibility studies.
- **Off the Record Research LLC** – As senior reporter and senior editor, lead teams of reporters in investment research projects related to electronic product and component manufacturing, semiconductor fabrication equipment, electronic test equipment, and related industries. Developed training systems for new reporters.

1995 – 1999

Saskatchewan Institute of Applied Science and  
Technology                      Saskatoon, Saskatchewan

### **Instructor, Electronic Systems Technology**

- Developed training materials and delivered training in basic electricity/electronics, troubleshooting, data communications, workshop, digital logic, analogue circuits

1994 – 1995 Instrument Data Communications  
Perth, Australia

**Instructor**

- Traveled throughout North America delivering two-day seminars in industrial data communications, data acquisition, and fieldbus networks

1989 – 1994 Northern Alberta Institute of Technology  
Edmonton, Alberta

**Instructor, Electronics and Instrumentation**

- Developed training materials and delivered training in basic electricity/electronics, analogue instrumentation, data communications, digital logic control, programmable logic controllers, applied electronics and process analyzers (1 year in electronics, 5 years in instrumentation)

1981 – 1989 Own/operate NL Industrial Electronics  
Saskatoon, SK

**Self Employed**

- Troubleshoot and repair a wide range of industrial and commercial electronics products and systems (controls, automotive test equipment, typesetting equipment, sound equipment) Design, sell, install commercial and church sound systems.

1975 – 1981 Potash Corporation of Saskatchewan  
Allan, SK

**Instrument Mechanic**

- Install, maintain, calibrate, service, troubleshoot and repair electronic and pneumatic instrumentation in a large fertilizer production plant. Specialized in electronic bench repairs, modification and design/build projects.

**Education**

1981 – 1989 University of Saskatchewan Saskatoon

**Adult Education**

- Completed several courses in adult education.

1972 – 1974 Saskatchewan Institute of Applied Science and  
Technology Moose Jaw, SK

**Electronics Engineering Technology**

- Diploma obtained.

1972 – present Dozens of short courses and seminars on various  
subjects (list available on request).

<b>Accreditations</b>	1988 - Industrial Instrument Mechanic journeyman trade ticket, Saskatchewan 1990 - Electronic Service Technician journeyman trade ticket, Alberta
<b>Professional memberships</b>	Member of the Saskatchewan Applied Science Technician and Technologists Member of the Society for Technical Communication
<b>Volunteer experience</b>	Served on various church boards Served as a director of the Acoustic Neuroma Association of Canada Volunteered for Diabetes Association
<b>Publications</b>	See Page 4
<b>References</b>	See Page 5

**Curriculum Vitae****Titles**

<b>Published Articles:</b>	
Electronics and Technology Today	Troubleshooting Concepts, Automotive Test Equipment, Computerized Wheel Alignment, Logic Trunked Radio, Basic Electricity Series , Basic Electronic Series, Tech-niques!
Popular Electronics	Sinusoidal Oscillators, Non-Sinusoidal Oscillators
Radio-Electronics	Troubleshooting Concepts
Electronics Now	The IL-300 Linear Optocoupler The CA3059: Single Chip AC Power Controller
Electronics Handbook (USA)	Basic Electricity Series (reprints) Basic Electronics Series (reprints) Technical Training
Electronic Servicing & Technology	Successful Servicing, Component Testing, Troubleshooting, Sound Contracting, Electrical Safety, Electronic Training
Western Producer	"Farm equipment gives farmer information" "Repairing high-tech equipment can be easier than you think"
Grainews	Monthly "Farm Electronics" Target Farming Series (12 times a year for 5 years)
The Prairieland	Column on Agricultural Technology
Other articles published in Farming Magazine, Precision Ag Illustrated, Modern Agriculture, and Precision Agriculture Magazine	
<b>Training Materials:</b>	
Southern Alberta Institute of Technology	"Electrical Safety" Self-study Learning Module
Alberta Apprenticeship	Developed banks of test questions for second and third year electronics and digital courses.
Northern Alberta Institute of Technology	Developed instructional packages for Basic Electricity, Device Applications (Semiconductors), Digital Electronics, Advanced Digital Systems (PLCs and Data Comm), Process Analyzers,
Saskatchewan Institute of Applied Science and Technology	Training materials for data communications, data acquisition
AR-99 Air Seeder Training Manual	Training Manual for Agtron Enterprises, Saskatoon, SK
Agricultural Applications of GPS	Training module on global positioning systems for Assiniboine Community College, Brandon, MB
Yield Measurement	Training module on Yield Measurement for Assiniboine Community College, Brandon, MB
Basic Industrial Data Communications	My own industrial data communications training course (delivered to various clients)
Centre for Curriculum and Program Development	Modules for the Electronics Technician Common Core Training program.
<b>User Manuals:</b>	
B&B Electronics Manufacturing	ESP90x Serial Server UserManual, ESP906CL Current Loop Serial Server User Manual, ESR90x Industrial Serial Server User Manual, 3PC1x PCI Card Serial Interface User Manual, ESR90xW Wireless Serial Server User Manual and Help System, ESR901WB Wireless Serial Server User Manual, PES1A/PESV1A PoE RS-232 to Ethernet User Manual
<b>Books and book chapters:</b>	
West Publishing	Interest Boxes for an electronics textbook
Test Equipment Guide (ES&T)	Chapters on test equipment and troubleshooting
Target Farming: A Practical Guide to Precision Farming in Canada	Self-published book on precision farming
<b>Research Studies:</b>	
Training Needs Assessment	Needs assessment survey, focus groups and analysis document for the Canadian Association of Agri-Retailers
Off the Record Research	Semiconductor Capital Spending, Electronic Test Equipment, Electronic Manufacturing Services, Carrier Networking Capital Spending, Electronic Design Software, Farm Equipment Spending,

**References:**

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Paul Vogelheim, Proprietary Editor  
Off the Record Research LLC  
Jackson Hole, WY

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Email: pvogelheim@otaotr.com

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Words of Worth  
Power River, BC

Phone: 604 483-9210  
Email: techwriting@shaw.ca