

*Stephen Arthur, M.F.A., M.Sc.

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Science Writer/Editor



- Communication professional with previous careers in media arts and academic science
- Strong skills in planning, writing, editing, and grantsmanship
- Developer and writer of successful grants totaling over \$215,000
- Master of Science degree in life science
- Rigorous, accountable, creative, self-starter
- Adept at improving the language, flow, structure, and clarity of scientific manuscripts

Strong interpersonal skills—from interviewing and collaborating with diverse subject matter experts; from mediating and negotiating with stakeholders; from showcasing technical products effectively for different audiences; as a liaison obtaining reviews and approvals of documentation; and as a user advocate.

Selected Contracts

University of California, San Francisco – Faculty of Medicine

Currently providing ongoing substantive, stylistic, and copy editing for academic reviews and primary research manuscripts, as well as content development for grant applications. Area of focus is cancer pain. On assignment to Dr. Brian L. Schmidt, DDS, MD, PhD, FACS, Associate Professor and Oncology Fellowship Director, Department of Oral and Maxillofacial Surgery.

<http://sxa-portfolio.com/SXA-UCSF-CancerPain-EditingTracked.doc>

You have done a masterful job. This is perfect. Consider me thoroughly impressed. — Brian Schmidt 2010

Iwasan Consulting SR&E

Deciphered oral reports to create effective Detailed Project Descriptions to obtain Scientific Research and Experimental Development Tax Credits for various businesses. 2006

Greater Vancouver Regional District

Wrote brochures introducing the *Drinking Water Management Plan*, a roadmap to effective water access to mid-century. Most municipalities within Greater Vancouver are following this plan. 2004

ImageMaker – New Media for the Resource Sector

Consulted with mining company executives to effectively portray the right story to investors in mining exploration. 2005–2007

National Film Board of Canada

Developed a scientific-visualization project for schools—\$80,000 development budget. Researched the subject matter in depth (historical geology), conducted market research, evaluated production software and

processes, and estimated the production budget.

Stephen was a catalyst for consensus building and teamwork between creative and technical contributors, delivering results ahead of schedule. — George Johnson, Producer, National Film Board of Canada. 1998-2000

Science World BC

Collected, interpreted, and summarized stories for *That Day in Science*, an interactive kiosk on the history of science. Contract 1993 <http://sxa-portfolio.com/SXA-ThatDayInScience.pdf>

B.C. Medical Association

Wrote a press release, *World's Deadliest Poison Used for Revolutionary Therapies* (contracted by Dr. Jean Carruthers) <http://sxa-portfolio.com/index.html#public-info>.

Dr. Reza Tabrischi, Dept. Pharmacology, UBC

Performed substantive editing and copy editing for a major grant proposal. 1991

Science textbook (*From Above the Web*)

Commissioned author—originated and wrote, with co-author Lorne Whitehead (recently Vice President Academic at UBC), a 400-page college-level general science textbook based on visual flowcharts that show the logical and historical relationships between major concepts. Covered sub-atomic physics, chemistry, and biology (sample on website). Unpublished, Federal grant

Other relevant experience

Graduate research in neuroscience(UBC)

Performed animal experiments with receptor binding assays and autoradiography to identify an unknown neurotransmitter. Wrote and edited grant applications, basic research papers for journal publication, and many

scientific literature review papers. Presented at poster sessions at UBC Dept. Ophthalmology and Society for Neuroscience Annual Meeting in New Orleans, 1991. Published abstract (Soc. Neurosci. Abstr. 17, 75).

1988-1991

Primary research manuscript:

<http://sxa-portfolio.com/SXA-ResearchPaperNeuroscience.pdf>

Selected review paper:

<http://sxa-portfolio.com/SXA-NeuroscienceReview2.pdf>

UBC Undergraduate Thesis in Zoology

Carried out directed literature research for an original monograph entitled *Toward a Complete Synthetic Theory of Evolution* (excerpt on website).

<http://sxa-portfolio.com/SXA-Evolution-Thesis.pdf>

Technical writing contracts

Impact BC—Practice Support Program, an alliance between BC Ministry of Health Services, the BCMA, and the regional health authorities

Originated a series of training guides to help BC family physicians be proactive in managing care for patients with chronic ailments. Response was extremely positive—1,283 physicians enrolled by Feb. 2009, with a preliminary survey showing a positive impact on both patient care and physician satisfaction. 2006–2008

B.C. Hydro • BC Mineral, Oil and Gas Revenue Branch • BC Transmission Corporation • IMT Image & Microscope Technology • CHC Helicopter Global Operations • McDonald Dettwiler and Associates • Glenayre Electronics • MDSI • Richmond Fire-Rescue • Hughes Canada Systems Division • Spectrum Signal Processing • B.C. Ministry of Forests/BCIT • E-Comm 9-1-1 Emergency Communications for Southwest British Columbia

Wrote many user guides, training manuals, and proposals for a wide range of products, services and educational topics. 1984 to 2008

Corporate documentaries and training videos

(various clients, including BC Cancer Agency and BC Children's Hospital)

Consulting Video Script Writer and Creative Content Developer 1985-1995

Education

Master of Science (Physiology/neuroscience)

University of British Columbia, Vancouver

Master of Fine Arts (Cinema)

University of Southern California, Los Angeles

5th Year Education (High School Science)

University of British Columbia, Vancouver

Bachelor of Science (Zoology)

University of British Columbia, Vancouver

Writing samples

See a large number of writing samples at:

www.sxa-portfolio.com

Member

- Canadian Science Writers Association
- Society for Technical Communication

Testimonials

www.sxa-portfolio.com/SXA-recommendations.html

Stephen is highly talented in an extraordinarily broad range of areas. His core strengths are a highly developed understanding of sophisticated scientific concepts coupled with proficiency and excellence in crystal clear written communication of complex matters. On top of that, Stephen is highly creative and has fine aesthetic judgment in numerous areas including creative writing and various forms of graphic arts. As well he is highly computer literate and up to date on all the latest techniques.

— Dr. Lorne Whitehead, UBC Leader of Education Innovation, past Vice President Academic UBC, and UBC 3M Chair in Physics

Stephen has the ability to assess the needs of various target audiences, grasp technical information quickly, and produce user-friendly materials that are technically accurate and easy to read. He is very reliable, flexible, and meets deadlines. It's been a pleasure to work with him.

— Jaye Routledge, Director, Impact BC