# STATEMENT OF QUALIFICATIONS

(Use additional sheets if necessary)

**Name of Lab:** NCSBI Crime Laboratory (Raleigh) **Date:** July 18, 2003

**Name:** Russell A. Holley **Job Title:** Forensic Molecular Geneticists II

**Discipline(s):** Indicate all areas in which you do casework.

| | | | |
|---|---|---|---|
| [ ] | Controlled Substances (Marijuana only) | [ ] | DNA |
| [ ] | Toxicology | [ ] | Firearms/Toolmarks |
| [ ] | Trace Evidence | [ ] | Questioned Documents |
| [X] | Serology | [ ] | Latent Prints |

**Education:** List all higher academic institutions attended.

| Institution | Dates Attended | Major | Degree Completed |
|---|---|---|---|
| University of South Carolina (Aiken, South Carolina Campus) | Fall >83 to Fall >84<br>Spring >92 to Fall >94 | None<br>Biology | <br>B.S. |

COURSE WORK FOR DNA:
From The University of South Carolina (Aiken) (Undergraduate Courses):
Microbiology 330, Organic Chemistry 331, Organic Chemistry 332, Genetics 350(including population genetics), Advanced Cell/Molecular Biology 502, Biochemistry 541.
From North Carolina State University (Graduate Courses):
Microbial Genetics 501, Microbial Genetics 502, Molecular Genetics 560.

**Other Training:** List continuing education, workshops, in-service and other formal training received.
SBI In-Service Nov. >98, >99, >00, >01, >02, >03; SBI Advanced Crime Scene Technology Training June >99; SAFS Meeting April >00, >03; Blood Spatter Training >03.
**See Attached SBI Transcript**

**Courtroom Experience:** List the discipline(s) in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.
I Have qualified as an expert witness in the field of Forensic Serology twenty times and once as an expert witness as a marijuana analyst. My first testimony was April 1999 and my latest testimony was May 2003.

**Professional Affiliations:** List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.
MAAFS Member,

Life Member of the 101ST Airborne Division Association

**Employment History:** List all scientific or technical positions held, particularly those related to forensic science. List current position first. Give a brief summary of principal duties and tenure in each position.

| Job Title: | Forensic Molecular Geneticist II | Employer: | NCSBI Crime Laboratory |
|---|---|---|---|

Principal Duties: Examine and analyze articles of evidence for the presence of body fluids. Evaluate case information and evidence for DNA analysis. Prepare a formal laboratory report stating results. Testify to results in a court of law.

Tenure: June >97 - Present

| Job Title: | Research Specialist I | Employer: | University of South Carolina |
|---|---|---|---|

Principal Duties: Responsible for maintaining continues cell cultures of the protozoan parasite *Perkinsus marinus*, a parasite of the Eastern oyster. Responsible for developing and testing new methods to produce monoclonal cultures of *P. marinus*.

Tenure: April >95 to May >97

| Job Title: | Laboratory Assistant | Employer: | University of South Carolina |
|---|---|---|---|

Principal Duties: Responsible for preparation, cloning, and sequencing of the *bphA* genes in strains of bacteria that degrade polychlorinated biphenyls (PCB=s).

Tenure: January >94 to April >95

| Job Title: | Assistant Coordinator | Employer: | University of South Carolina |
|---|---|---|---|

Principal Duties: Teaching assistant in a variety of science related college courses for high school students.

Tenure: October >92 to April >94

**Other Qualifications:** List below any scientific publication and/or presentation you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist. (Use additional sheets if necessary)

Bushek, D., R.A. Holley and K.S. Reece. Use of Micromanipulation and AFeeder@ Cultures to Clone the Protozoan Oyster Pathogen *Perkinsus marinus*. Journal of Eukaryotic Microbiology, 47(2):164-166. 2000.

Ritchie, K.B., Holley, R.A., McGrath, T.A., and G.W. Smith. INT - linked dehydrogenase activity of the surface mucopolysaccharide layers of Bahamian scleractinian corals. Precedings of the Sixth Symposium on The Natural History of the Bahamas, pp.18-27 Publisher, Bahamian Field Station, 1996.