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Item 8

Mary Barnes is no longer on our staff. The Assistant Radiation Officer will become Daniel Mickelson. In addition, a technician has been trained in the use of radioisotopes, Diana Beckman.

Dan Mickelson was a licensed radioisotope user at the University of Minnesota under the supervision of Dr. Anthony Faras for two years. He has completed the University of Minnesota's radiation safety video tape program and the accompanying test. He has also taught undergraduate laboratory students regarding types and safety precautions for radioisotopes of various forms. During the past two years, Dan has worked with 3H-leucine, 32P-dCTP, and S35-methionine.

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Diana Beckman has seen the DuPont slide show on the use of radionucleotides, and she has read the DuPont educational pamphlet series on the use of ^{32}P and general safety precautions in the use of radionucleotides. For the past 4 1/2 months, Diana has gained hands-on experience in the use of ^{32}P under the supervision of Dr. Tim Murphy.

Item 9

Minor alterations in the laboratory procedures have been made. These include the following:

- Reaction mixtures are with 60 uCi in 20 ul.
- The plastic bags for hybridization are kept in between plexiglass and closed with a clamp.
- The film cassettes are placed in a -70°C freezer in the lab just outside the radioisotope lab (Rm 400) for exposure of film.
- The radioisotope lab is locked not the refrigerator within.

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Item 11

Liquid waste will be shifted to a metal cabinet in the radioisotope lab with metal pans under sealed glass bottles. If more shielding is needed, after this is installed, plexiglass will be used.

I would like to request that any future additions to staff for this project only be subject to in-house approval by the Radiation Safety Officer. This is to preclude repeated amendments in the case of staff turnover.

Tim Murphy, Ph.D.

Department Head, Molecular Genetics

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