

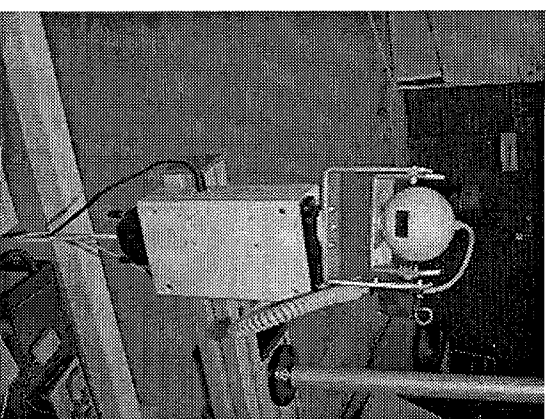
## **Customer Stamp Applications**

**"LabCam" from Göran Stigler**  
*Chalmers University of Technology, Sweden*

The following text is from the university's www site at <http://129.16.63.73/>

Welcome to Chalmers University of Technology and the Fabrikten CIM research center. Down among the machine tools in the center is a video camera that can be remote controlled using a www client. This means that anyone anywhere on Internet can follow what we are doing right now.

The host computer is a Mac Iix (much too slow for this - sorry). Commands are sent from a www client to the www server, MacHTTP v2.2, which forwards them to a custom cgi (Common Gateway Interface) application written with Compielt! and Double-XX. The cgi app then sends a rotate command to the camera mount controller, a BASIC Stamp single chip computer, through the Mac's printer port. The BASIC Stamp sends pulses to a pair of Hitec R/C model servos to move the gimbal. Video from the Connectix QuickCam is received at the modem port at 2Mbit/s and sent onto the net with CU-SeeMe.



**"Robo-Cat" from Guy Gustavson**  
*Maple Grove, Minnesota, USA*

We thought Guy's words would be more interesting than a condensed version in our words (although we did make a few minor changes, but not with the facts). Here's the almost-original text from Guy Gustavson, as said on our Internet BASIC Stamp mailing list on August 7, 1995:

*My cat, Kesha, was recently diagnosed with Hepatic Lipodosis, or "fatty liver." Basically, this means that for some reason, Kesha stopped eating and his liver started converting his body into usable sugars. Fat deposits build up in the liver and cause severe liver damage. Because the liver isn't working well, the cat feels crappy and wants to eat even less. The treatment for this disease is to run a tube down the cat's nose and into his stomach, or a PEG tube through the abdominal wall into the stomach; the cat is fed a liquid diet through either tube.*



*I love my cat, but I can't be there every three hours to feed him through the tube for a month - something about work and deadlines and such. So, I went to a local surplus house and got a tiny motor-driven pump, a case, some switches, a micro switch, etc.*

*The micro switch is mounted such that the switch trips for every rotation of the pump shaft. The Stamp turns on the pump for a single rotation at intervals programmable from the control switches on top. A buzzer and LED alert me if the pump fails to run for any reason. The unit is programmable for 9 different delivery rates.*

*Now, Kesha gets a slow continuous feeding and he seems to tolerate this better than the 100ml feeding every three hours.*

Guy asked that we provide his email address, just in case any of our readers could benefit from his experience. His address is [bigfoot@winter.net.com](mailto:bigfoot@winter.net.com).

From: "Gustavson Guy W." <GUSTAVSON@gmpg.norstan.com>  
To: "'stamps@parallaxinc.com'" <stamps@parallaxinc.com>  
Subject: [STAMPS] Robo-Cat  
Date: Mon, 07 Aug 95 15:28:00 CDT  
Encoding: 28 TEXT  
Sender: owner-stamps@parallaxinc.com  
Precedence: bulk  
Reply-To: stamps@parallaxinc.com

Ok hows this for a stamp app....

My cat, Kasha, was recently diagnosed with Heptic Lipodosis. Or "Fatty Liver", basically what this means is that for some reason he stoped eating and his liver started converting body to useable sugars. The fat depositists biuld up in the liver and cause severe liver damage. Because the liver isn't working well the cat feels crappy and wants to eat even less. The treatment for this disease is to run a tube down down the cats nose into his stomach, or a PEG tube through the abomine wall into the stomach and feed the cat a liquid diet this way.

I love my cat, but I can't be there every three hours to feed him through the tube for a month. Something about work and deadlines and such. So I went to a local supplus house and got a tiny motor driven pump, a case, some switches, a micro switch, ect...

The micro switch is mounted such that the switch trips for every rotation of the pump shaft. The stamp turns on the pump for on a single rotation at intervals programable from the controll switches on top. An alarm buzzer and LED flash if the pump fails to run for any reason. The unit is programable for 9 differents deleviery rates.

Now he gets a slow continuous feeding and he seems to tolerate this better than the 100ml feeding every three hours.

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