I am seeking financial assistance to continue my series of explorations into opto-electro-mechanical vision, as represented in the video tape submitted.

* Opto = optical treatment of camera image through lenses and mirrors.
* Electro = electronic manipulation of image on location by reversal of up/down, right/left, or during post-production by analog or digital (computer) image processing.
* Mechanic = mechanized movement of the camera, lenses, mirrors or objects in front of the lens.

For this new tape, I need to have designed and constructed a programmable zoom lens and programmable pan/tilt head. Both would use steppers with a battery operated digital programmer. The programmable pan/tilt/zoom enables exact reproduction of image movement in different locations for post-mixing or layering.

This tape, tentatively titled "Explorations", would be shot in various parts of New Mexico: The Sangre de Cristo Mountains, Abiquiu, Bisti Badlands, ETC, and would be of 30 min. duration.

Santa Fe, 9-sep-83, Steina Vasulka

Steina (born in Iceland 1940) has been a seminal force in the development of the electronic arts since 1978, both as co-founder of "The Kitchen", a major exhibition center in New York City, and as a continuing explorer of the possibilities for the generation and manipulation of electronic image through a broad range of technological tools and aesthetic concerns. Her tapes have been exhibited and broadcast extensively in the States and Europe. She was a Beuysheim Fellow in 1976 and has received grants from the N.Y. State Council on the Arts, The NEA and the CPB. She recently completed two tapes for Broadcast, a 9 min. segment for KTCA, St. Paul Minnesota and 1/2 hour on digital imaging for WNET/Thirteen. She resides since 1980 in Santa Fe, New Mexico.
12. Education

<table>
<thead>
<tr>
<th>Name of Institution</th>
<th>Major area of study</th>
<th>Inclusive dates</th>
<th>Degree</th>
</tr>
</thead>
</table>

13. Fellowships or grants previously awarded

<table>
<thead>
<tr>
<th>Name of award</th>
<th>Area of study</th>
<th>Inclusive dates</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUGGENHEIM</td>
<td>VIDEO, VISUAL ARTS</td>
<td>1976, 1977, 1978</td>
<td>$12,000, $12,500</td>
</tr>
</tbody>
</table>

14. Present employment

<table>
<thead>
<tr>
<th>Employer</th>
<th>Position/Occupation</th>
<th>Salary</th>
</tr>
</thead>
</table>

15. Prizes/Honors received

<table>
<thead>
<tr>
<th>Membership professional societies</th>
</tr>
</thead>
</table>

16. Certification: I certify that the foregoing statements are true and complete to the best of my knowledge.

Signature of applicant: [Signature]
Date: 9/11/83

Privacy Act
The Privacy Act of 1974 requires us to furnish you with the following information:
The Endowment is authorized to solicit the requested information by Section 5 of the National Foundation on the Arts and the Humanities Act of 1965, as amended. The information is used for grant processing, statistical research, analysis of trends, and for congressional oversight hearings. Failure to provide the requested information could result in rejection of your application.
8. Professional background (continued)

9. Education

<table>
<thead>
<tr>
<th>Name of Institution</th>
<th>Major area of study</th>
<th>Inclusive dates</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEE RESUME</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. Fellowships or grants previously awarded

<table>
<thead>
<tr>
<th>Name of award</th>
<th>Area of study</th>
<th>Inclusive dates</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEE RESUME</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11. Present employment

<table>
<thead>
<tr>
<th>Employer</th>
<th>Position/Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELF</td>
<td></td>
</tr>
</tbody>
</table>

12. Certification: I certify that the foregoing statements are true and complete to the best of my knowledge.

X [Signature of applicant]  1/10/85

BEFORE SEALING YOUR APPLICATION PACKAGE, BE SURE TO INCLUDE:

- The signed original and two signed copies of this application form.
- Visual documentation and other supplementary material as outlined in “Special Application Requirements” on pages 6-8.
- Three completed cards which appear on the back cover of these guidelines.

Have you signed all three copies of your application form?

Is your visual documentation properly labeled?

Privacy Act
The Privacy Act of 1974 requires us to furnish you with the following information:
The Endowment is authorized to solicit the requested information by Section 5 of the National Foundation on the Arts and the Humanities Act of 1965, as amended. The information is used for grant processing, statistical research, analysis of trends, and for congressional oversight hearings. Failure to provide the requested information could result in rejection of your application.
The social security number is used only as an identifier in the grants administrative process. Failure to provide this information could result in administrative delays in processing the application.

Steina (born in Iceland 1940) attended the Music Conservatory in Prague from 1959 to 1963, and joined the Icelandic Symphony Orchestra in 1964. She came to the United States the following year and has been a seminal force in the development of the electronic arts since 1970, both as co-founder of “The Kitchen”, a major exhibition center in New York City, and as a continuing explorer of the possibilities for the generation and manipulation of the electronic image through a broad range of technological tools and aesthetic concerns. Her tapes have been exhibited and broadcast extensively in the States and Europe, and in 1978 she had an exhibit “Machine Vision” at the Albright-Knox Art Gallery in Buffalo, N.Y. She was a Guggenheim Fellow in 1976 and has received various other grants.

Since moving to Santa Fe New Mexico in 1981, she has produced series of Video Tapes relating to the land, and an installation titled “The West.”
**NAME, ADDRESS AND TELEPHONE OF PERSON TO CONTACT ABOUT FINANCIAL INFORMATION**

STEINA VASULKA, 257 FRANKLIN ST. BFLG, NY 14202

What are (will be) organization's total expenses $18,000.00 and total income $18,000.00 in your current fiscal year. Organization's fiscal year: from Apr '77 to Apr '78

---

**PROGRAM BUDGET**

<table>
<thead>
<tr>
<th>Category</th>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel</td>
<td>Secretary</td>
<td>$3000.00</td>
</tr>
<tr>
<td>Consultancy</td>
<td></td>
<td>$500.00</td>
</tr>
<tr>
<td>Publication</td>
<td></td>
<td>$200.00</td>
</tr>
<tr>
<td>Administration</td>
<td></td>
<td>$250.00</td>
</tr>
</tbody>
</table>

**TOTAL EXPENSES** $5000.00

**CONSULT THE BUDGET INSTRUCTIONS IN THE GUIDELINES BOOKLET**

2. **EARNED INCOME** (box office, subscriptions, tuition, sales, fees, parking, etc.)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM EARNED INCOME** $________

3. **UNEARNED INCOME** (individual contributions, membership, etc. in cases of foundation, government, or corporate support, list each institution separately. Do not list NYSCA.)

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM UNEARNED INCOME** $________

4. **TOTAL INCOME** $________

5. Line 4 minus Total Expenses $________

6. **TOTAL request from NYSCA** $________

7. Line 4 plus line 6 should equal Total Expenses: $________ + $________ = $________

---

**CERTIFICATION AND RELEASE**

The undersigned certifies that he or she (1) is a principal officer of the applicant with authority to obligate it; (2) has knowledge of the information presented herein; (3) has read the guidelines of the New York State Council on the Arts, incorporated herein by reference, and that this applicant complies with and is made subject to said guidelines; (4) on behalf of the applicant releases the New York State Council on the Arts, New York State, their employees and agents with respect to damages to property or materials submitted in connection herewith.

**Date** ____________  
**Signature** ____________

**Type Name of Chief Administrative Officer** ____________

---

**Attach one of the following:**

- A copy of the letter from the U.S. Treasury Department granting federal tax exemption under section 501 (c) (3) of the U.S. Internal Revenue Code.
- A copy of the Charter issued by the Board of Regents of the State of New York under section 216 of the Education Law.
- A copy of the form BSW 189 from the Office of Charities Registration of the Department of State (formerly with the Board of Social Welfare of New York State).

Attached is the financial statement from my organization's last completed fiscal year.
1978-79 Short Form Application

Consult the Guidelines booklet to determine if your organization is eligible for the Short Form Application

Organization's legal name

Also known as

Address

Zip Code County Telephone

Has your organization received funds or services from the Council or any of the following programs: America the Beautiful Fund of New York, The Costume Collection, Creative Artists Public Service Program (CAPS), Film Bureau, Gallery Association of New York State, Media Equipment Resource Center (MERC), Meet the Composer, New York Foundation for the Arts, Poets and Writers, Presenting Organizations Assistance Program, Preservation League of New York State, Publishing Center for Cultural Resources, Technical Assistance, Video Bureau, Visiting Artists? If so, note the most recent year, the program, and the amount of funds or type of service received. **Technical Assistance For**

- **Donald MacAther** $200.00 **May 77**
- **Walter Wright** $200.00 **June 77**

When was your organization formed? **2/27/76**

Briefly describe the purpose and activities of your organization.

To facilitate the public

Program title **Computer Art**

Location (facility, town, and county) **Buffalo, Erie, 237 Franklin St**

Starting date **Oct. 1 '79** Ending date **June 30 '79** Number of people served **The public at large**

Name and telephone of person to contact about this program **716.856.3385**

Within this space, give a complete description of program or activity for which funds are requested. See Attachment

For office use only: Log. No. 78- Date Rec'd
IX. Budget breakdown of summary of estimated costs (continued)

4. Special (list each item separately)

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$</td>
</tr>
</tbody>
</table>

Total special $____

5. Other (list each item separately)

This section must be completed on every application.

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$</td>
</tr>
</tbody>
</table>

Consultant/Programmer (2 to 5 persons) 400 hours @5.00/hour 2000.00
Documentation (Xeroxing, Mailing, Copying tapes) 1000.00
Rent/Utilities 2400.00
Bookkeeping/Administration 40 hours @5.00/hour 200.00
Equipment rental @ 12 months 18300.00
Tapestock for master tapes 4@ $25 100.00

Total other 18300.00

B. Indirect costs

Rate established by attached rate negotiation agreement with National Foundation on the Arts and the Humanities or another Federal agency

<table>
<thead>
<tr>
<th>Rate %</th>
<th>Base $</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

X. Contributions, grants, and revenues (for this project)

A. Contributions

1. Cash (do not include direct donations to the Arts Endowment)

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$</td>
</tr>
</tbody>
</table>

2. In-kind contributions (list each major item)

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Rent/Utilities</th>
<th>Total contributions</th>
</tr>
</thead>
<tbody>
<tr>
<td>12600.00</td>
<td>2400.00</td>
<td>15000.00</td>
</tr>
</tbody>
</table>

Total contributions 15000.00

B. Grants (do not list anticipated grant from the Arts Endowment)

<table>
<thead>
<tr>
<th>(Applied for)</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York State Council on the Arts</td>
<td>5000.00</td>
</tr>
<tr>
<td>Rockefeller Foundation</td>
<td>10000.00</td>
</tr>
</tbody>
</table>

Total grants 15000.00

C. Revenues

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$</td>
</tr>
</tbody>
</table>

Total revenues $30000.00

Total contributions, grants, and revenues for this project $30000.00
XI. State Arts Agency notification

The National Endowment for the Arts urges you to inform your State Arts Agency of the fact that you are submitting this application.

Have you done so? [ ] Yes [ ] No

XII. Certification

We certify that the information contained in this application, including all attachments and supporting materials, is true and correct to the best of our knowledge.

Authorizing official(s)

Signature: [Signature]
Name (print or type): [Name]
Title (print or type): [Title]
Telephone (area code): [Telephone]

Signature: [Signature]
Name (print or type): [Name]
Title (print or type): [Title]
Telephone (area code): [Telephone]

Project director

Signature: [Signature]
Name (print or type): [Name]
Title (print or type): [Title]
Telephone (area code): [Telephone]

* Payee (to whom grant payments will be sent if other than authorizing official)

Signature: [Signature]
Name (print or type): [Name]
Title (print or type): [Title]
Telephone (area code): [Telephone]

* If payment is to be made to anyone other than the grantee, it is understood that the grantee is financially, administratively and programmatically responsible for all aspects of the grant and all reports must be submitted through the grantee.

Check List

1. Have you attached a copy of your organization’s federal tax exemption letter or a document identifying the organization as a part of state or local government?
2. Have you summarized the project description in the space provided?
3. Have you completed the summary of estimated cost on page 1, also provided all detail required on pages 2 and 3, and attached all documentation required to substantiate proposed travel cost, purchase of equipment, and indirect cost?
4. Have you provided required detail under Other Support section?
5. Has the application been signed and dated in appropriate places?
6. Have you filed an Assurance of Compliance form?

A negative response to any of the above questions will cause delay in the consideration of this application and will increase the cost of processing.
IX. Budget breakdown of summary of estimated costs

A. Direct costs

1. Salaries and wages

<table>
<thead>
<tr>
<th>Title and/or type of personnel</th>
<th>Number of personnel</th>
<th>Annual or average salary range</th>
<th>% of time devoted to this project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Directors</td>
<td>2</td>
<td></td>
<td>80%</td>
<td>$5600.00</td>
</tr>
<tr>
<td>Designer / Artist</td>
<td>1</td>
<td></td>
<td>80%</td>
<td>$10000.00</td>
</tr>
</tbody>
</table>

Total salaries and wages $15600.00
Add fringe benefits $1400.00
Total salaries and wages including fringe benefits $17000.00

2. Supplies and materials (list each major type separately)

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Emulsifier/Buffer (Breakdown on separate sheet)</td>
<td>$5600.00</td>
</tr>
<tr>
<td>Delay Units (2)</td>
<td>$400.00</td>
</tr>
<tr>
<td>Crosspoint Matrices (6)</td>
<td>$1200.00</td>
</tr>
<tr>
<td>Analog to Digital Converter (Eight Bit)</td>
<td>$500.00</td>
</tr>
<tr>
<td>Analog to Digital Converters (Six Bit) (3)</td>
<td>$600.00</td>
</tr>
<tr>
<td>Digital to Analog Converters (Eight Bit) (4)</td>
<td>$600.00</td>
</tr>
</tbody>
</table>

Total supplies and materials $8900.00

3. Travel

<table>
<thead>
<tr>
<th>Transportation of personnel</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of travelers</td>
<td>from</td>
</tr>
<tr>
<td>1</td>
<td>Roundtrip</td>
</tr>
<tr>
<td>1</td>
<td>Roundtrip</td>
</tr>
</tbody>
</table>

Total transportation of personnel $395.00

<table>
<thead>
<tr>
<th>Subsistence</th>
<th>No. of days</th>
<th>Daily rate</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>New York City</td>
<td>$160.00</td>
</tr>
<tr>
<td>1</td>
<td>7</td>
<td>San Francisco</td>
<td>$245.00</td>
</tr>
</tbody>
</table>

Total subsistence $405.00
Total travel $800.00
AS IN OUR EARLIER WORK WITH ANALOG VIDEO, THERE IS IN COMPUTER VIDEO A NEED FOR SPECIAL PURPOSE IMAGING TOOLS, NOT PROVIDED BY THE INDUSTRIES. WE THEREFORE PROPOSE TO CONSTRUCT AND DEVELOP SUCH A DEVICE, "THE IMAGE EMULSIFIER" (SEE SUPPLEMENTARY MATERIAL #1), TO RESIDE ALONGSIDE OUR ALREADY BUILT "VASULKA SYSTEM" (SEE SUPPLEMENTARY MATERIAL #2). SOME OF THE FEATURES WE ENVISAGE THE "IMAGE EMULSIFIER" TO HAVE ARE PICTURE "MELTING", CRYSTALIZED GROW/DECAY MODE, AN EDGE EXPANDER, A TEXTURIZER, A SPATIAL WARPER AND AN IMAGE EXPANDER/COLLAPSER OVER THE WHOLE, OR ANY PORTION OF THE SCREEN.

A BUDGET IS SET ASIDE TO CONTINUE OUR ONGOING DOCUMENTATION AND DISTRIBUTION OF OUR FINDINGS TO THE FIELD. THE MOST IMPORTANT RESULTS FOR US HOWEVER, IS THE CREATION OF NEW WORKS ON VIDEO TAPE.
1. Name (last, first, middle initial)

**VASULKA, WOODY B**

2. Present mailing address/phone

**ROUTE 6, BOX 100**

**SANTA FE, N.M. 87501**

3. Permanent mailing address/phone

**ROUTE 6, BOX 100**

**SANTA FE, N.M. 87501**

4. Category under which support is requested:

- Film/Video Production
- Radio Production

5. U.S. Citizenship

- Yes
- No (Visa Number: )

6. Professional field or discipline: VIDEO

7. Description of proposed activity

By now, the work on "The Art of Memory" is in progress. It is developing into a structure of three "Songs", each about 18 min. long. The themes of the songs in progress are: "The Spanish Civil War", "The Pacific War" and "The European Theater". Visually, the songs are composed of three basic elements: a landscape, an object and a protagonist. These three elements are layered electronically in a specific narrative hierarchy, plainly speaking "as witnessed by a protagonist". The landscapes are mostly of the American West, the Objects are electronically shaped newsreel material from the particular event, the Protagonist is a contemporary mediator of the events. Sounds/Music follow a similar structure. The source for most of the music and speeches are from an original historical material (The Spanish Civil War speeches of Franco and Durruti, Military Marches ETC, or in the Pacific segment, a sentimental Japanese soldier's song...). The work is almost totally transformed however, since the tool chosen for this project is an Audio Sampler, a device allowing to extract the historical sound textures and working them with contemporary electronic keyboard. The speeches, or rather words and segments of words are looped, repeated and transposed to tonal and rhythmical units, to facilitate composing of sound structures of my esthetic desire.

At this time I have amassed a sizable amount of the elements for this project, but none of the composed segments is ready. So to illuminate my path toward the narrative, I am submitting samples of this work in progress as well as a previous work "The Commission".

10. Amount requested from National Endowment for the Arts: $

Allocated as follows: Artist's Time $  
Materials $  
Travel $  

11. Career summary or background

Woody Vasulka was born in Brno, Czechoslovakia and studied metal technologies and hydraulic mechanics at the School of Industrial Engineering there. He then entered the Academy of Performing Arts, Faculty of Film and Television in Prague, where he began to direct and produce short films. He emigrated to the United States in 1965, and freelanced in New York City as a film editor for the next few years.

In 1967, he began experiments with electronic sounds, stroboscopic lights and (two years later) with video. In 1974 he became a faculty member of the Center for Media Study at State University of New York, Buffalo and began his investigations into computer controlled video, building "The Vasulka Imaging System", a personal imaging facility.

With Steina, he founded "The Kitchen", a New York Media Theater, and has participated in many major video shows in the States and abroad, given lectures, published articles, composed music and made numerous video tapes. He is a 1979 Guggenheim fellow currently residing in Santa Fe, New Mexico.