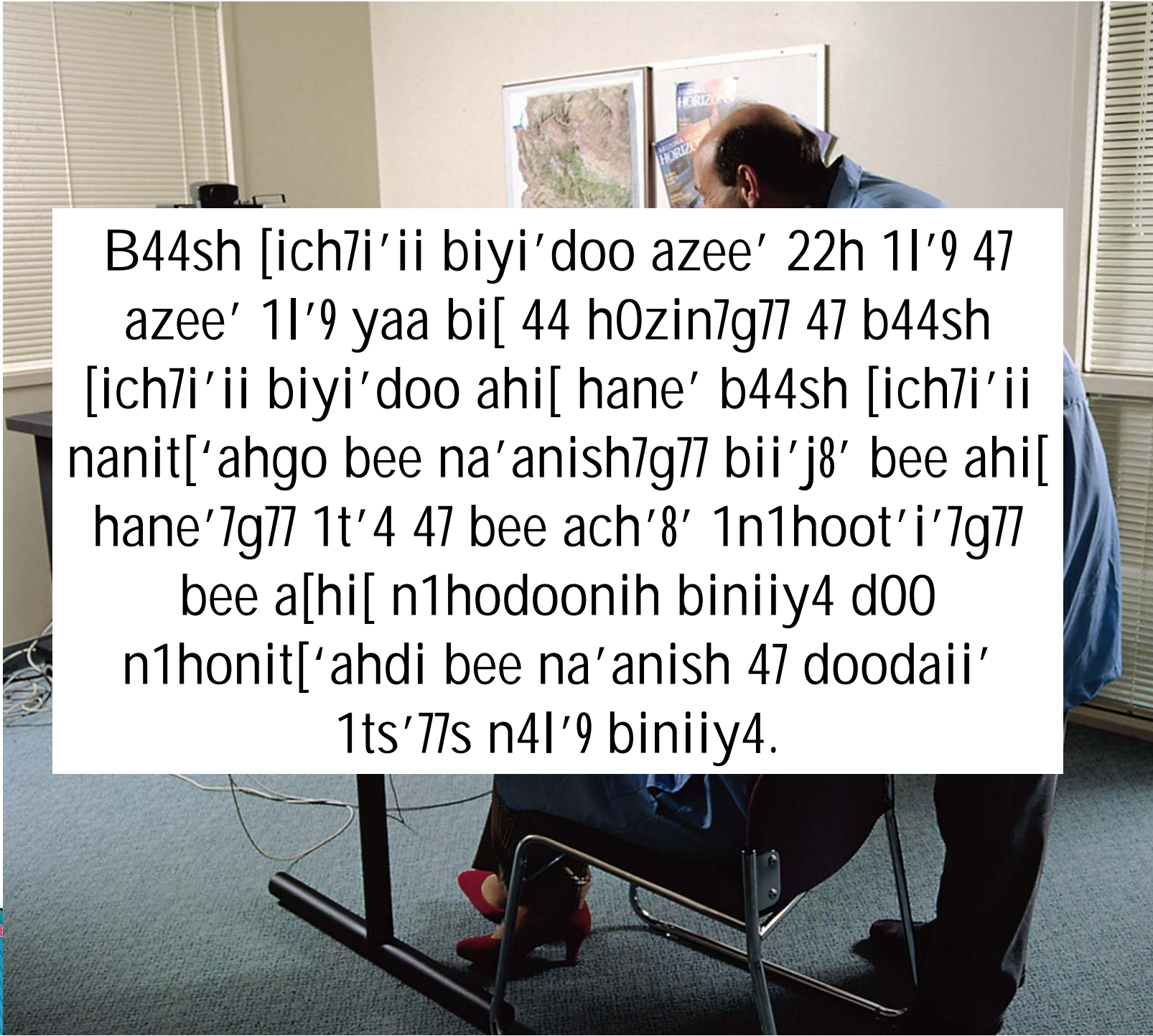


ARIZONA
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B44sh [ich7i'ii
biyi'doo azee' 22h
11'9 N41'9





B44sh [ich7i'ii biyi'doo azee' 22h 1l'9 47
azee' 1l'9 yaa bi[44 h0zin7g77 47 b44sh
[ich7i'ii biyi'doo ahi[hane' b44sh [ich7i'ii
nanit['ahgo bee na'anish7g77 bii'j8' bee ahi[
hane'7g77 1t'4 47 bee ach'8' 1n1hoot'i'7g77
bee a[hi[n1hodoonih biniiy4 d00
n1honit['ahdi bee na'anish 47 doodaii'
1ts'77s n4l'9 biniiy4.

Published 2009

History of Telemedicine

Evolution, Context, and Transformation

Rashid L. Bashshur, PhD • Gary W. Shannon, PhD

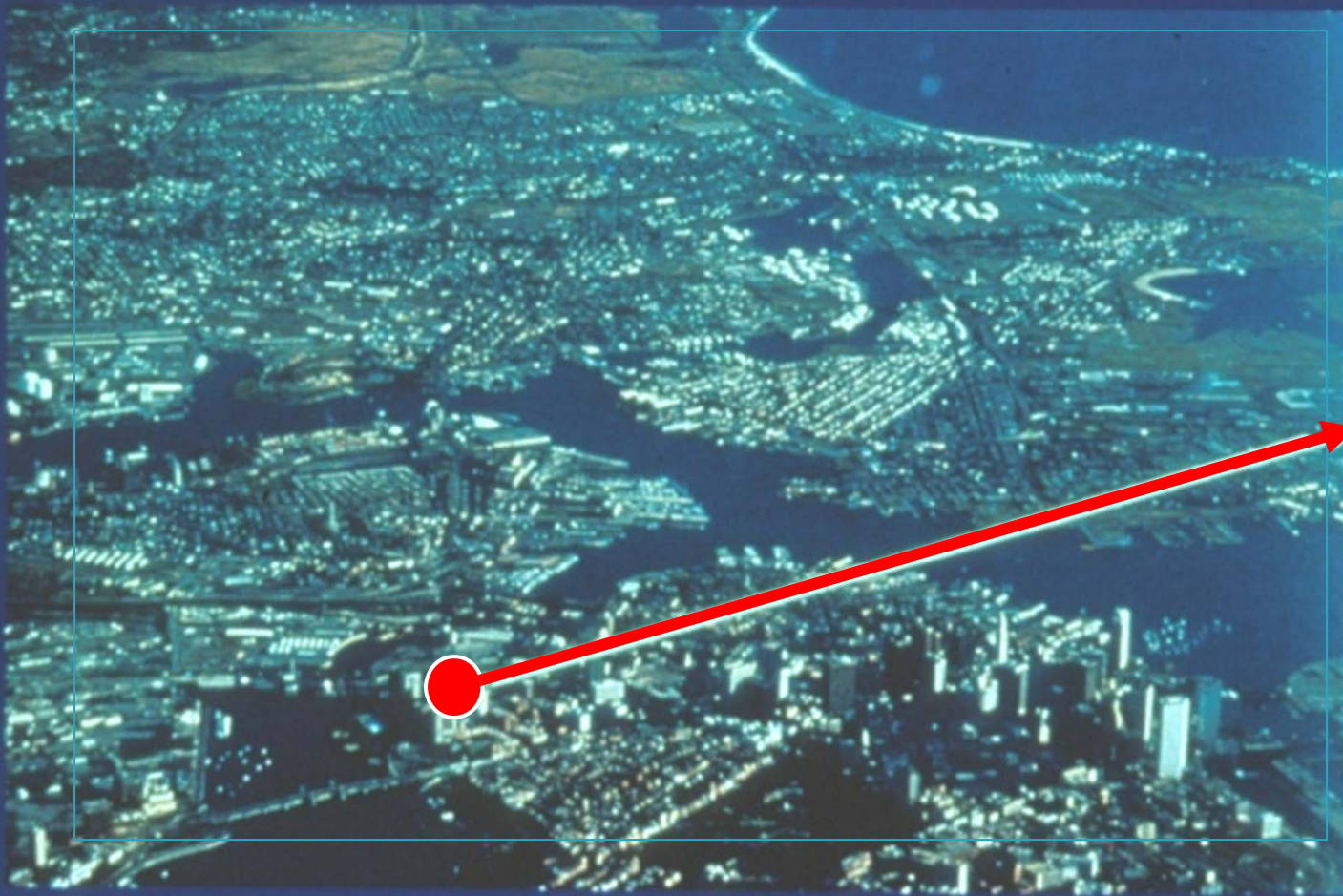
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Mary Ann Liebert, Inc.  publishers

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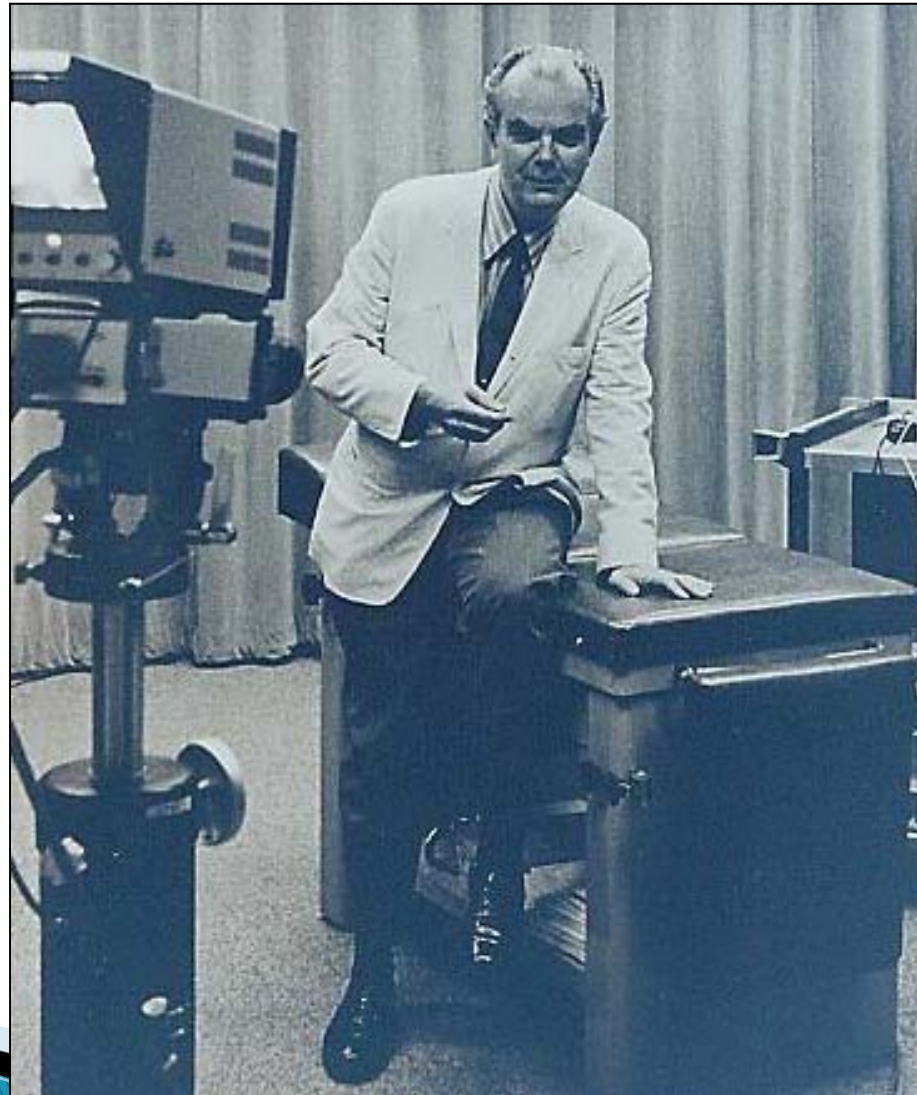


Massachusetts Be'azee' 1l'98di-
Logan B44sh Naat'a'7 Azee' 1l'9 bi[Haz'32gi
1968-1975 Kenneth T. Bird, M.D.



1968

Dr. Kenneth T. Bird 47 b44sh [ich7i'ii biyi'doo
azee' 1l'9n7g77 a[k'7d33' bi[hahoolzh77zh y66d33'
(circa 1968)



1968

ARIZONA
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PROGRAM



Baa n1honeezt['aa7g77 bitis dah hodiilzhiizh

D99 ts8sit3 Boston Harbor biyaagi bin7k1'7g44d7g77

Massachusetts
Be'azee' 11'9

Logan B44sh
Naat'a'7 bi[
haz'32gi



ARIZONA
TELEMEDICINE
PROGRAM



T'11 k'4hazd0n7go Ah00t'i'

naaki ts8sit3 d00 bi'aan tsosts'id 47 ni[ch'7 bee hane'4 bee e'4l'9

Massachusetts
Be'azee' 1l'9

Logan B44sh Naat'a'7 bi[haz'32gi



1968

ARIZONA
TELEMEDICINE
PROGRAM



Hodi'n4l'88hgi bee i'iilkeed7 t1d7t'aah7g77 si'3

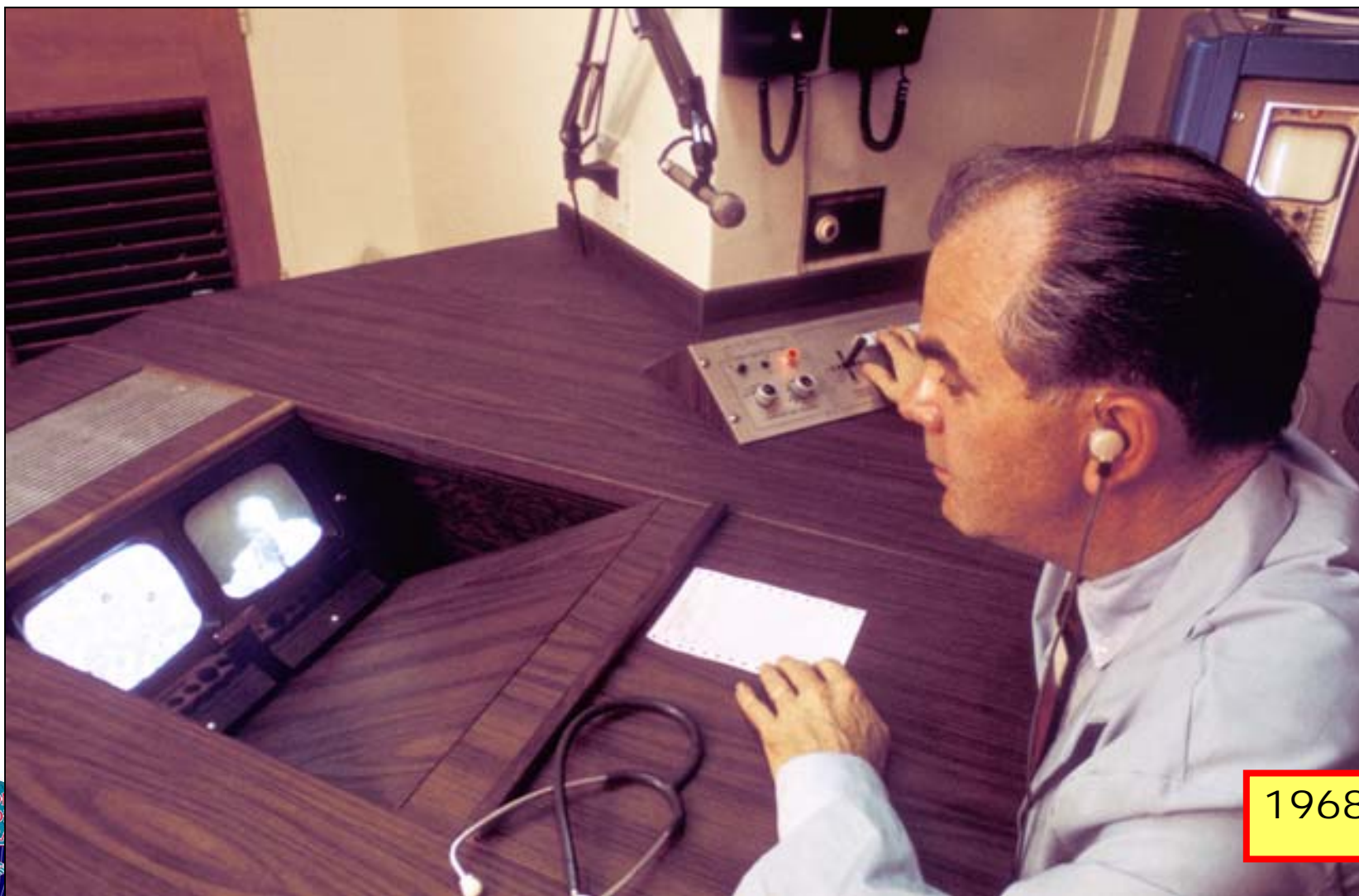


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1968

MGH Logan B44sh Naat'a'7 Azee' 1l'9
bi[Haz'32gi yich'8' halne'



1968

ARIZONA TELEMEDICINE PROGRAM



1996 y66d33' 1lyaa

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TELEMEDICINE
PROGRAM



B44sh [ich7i'ii biyi'doo aze'e' 22h 1l'9 1y7sii a['33 1t'4ego bee da'7n7sh7g77

Nahat'1ago bik'ehgo a'dooly88[7g77	B1 nida'anish7g77	Azee' 1l'9 bee 1k1'a'1yeed	B44sh [ich7i'ii biyi'doo aze'e' 22h 1l'9 bee na'anish b1 7hoo'aah
Nizaad66' 7hoo'aah	B44sh [ich7i'ii bee ahi[dahane'7g77 bee na'anish	B4eso naat'i'j7	Aah hwiin7t'9 Bi[naazt'i'j7
Na'anish bi[nahaz'32g00 ahi[nidaalnish7g77	Nidahaniih d00 din4 bi[na'anish	W11shindoon bi[naazt'i'j7	Bee na'anish n4l'98go bee i'n4el'22h7g77



B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'9go
bee 7'neel'22h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish biyi'
1hoot'4h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish b1
7hoo'aah

B44sh [ich7i'ii biyi'doo
azee' 22h 1l'9 bee
na'anish7g77 B44
h0zin7go bik'7'dit'99'

Hodahgo 0lta' 7hoo'aah7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish bee
1k1'a'1yeed7g77



B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'98go
bee 7'neel'22h7g77

B44sh [ich7i'ii biyi'doo
azee' 22h 1l'9 bee
na'anish biyi'
1hoot'4h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish b1
7hoo'aah

h7i'ii biyi'doo
22h 1l'9 bee
ish7g77 B44
o bik'7'dit'99'

Hodahgo Olta' 7hoo'aah7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish bee
1k1'a'1yeed7g77



Arizona Telemedicine Bee na'anish7g7 Hadeidiilaa



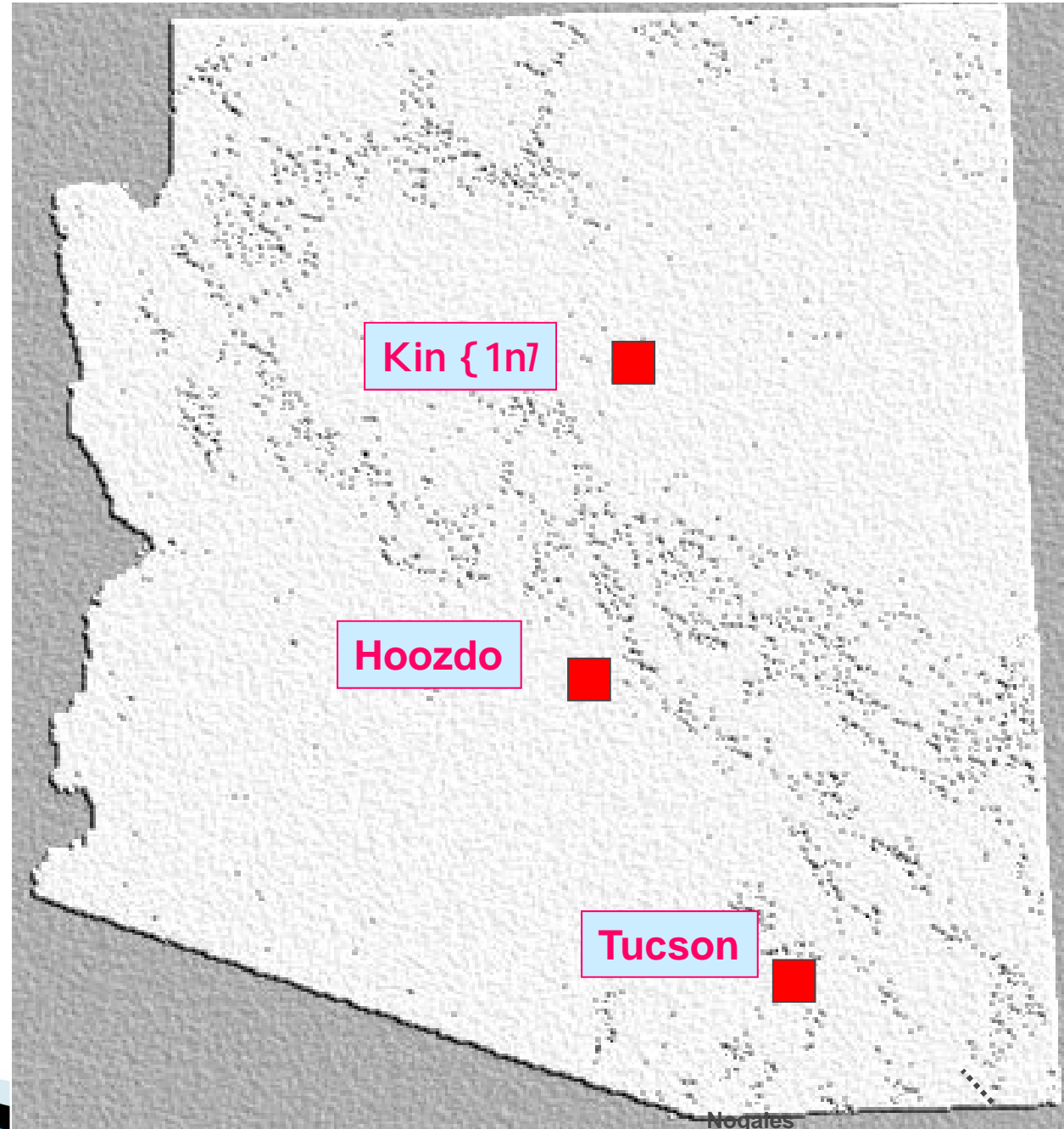
Richard A. McNeely Ronald S. Weinstein, M.D. Rep. Robert "Bob" Burns John J. Lee
Rep. Lou-Ann Preble Rachael Anderson

Arizona July 1996

0 Sites

“Virtual Utility”

Membership-based
state-wide
telehealth
telecommunication
collaborative

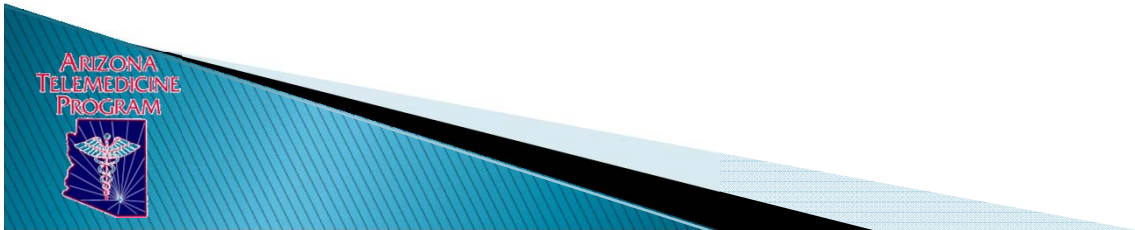


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Telemedicine Program Sites

- ▶
- ▶
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B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'98go
bee 7'neel'22h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish biyi'
1hoot'4h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish b1
7hoo'aah

B44sh [ich7i'ii biyi'doo
azee' 22h 1l'9 bee
na'anish7g77 B44
h0zin7go bik'7'dit'99'

**Professional
Education**

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish bee
1k1'a'1yeed7g77

ARIZONA
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B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'9go

**B44sh [ich7i'ii biyi'doo
azee' 22h 1l'9 bee
na'anish n4l'9go bee
7'neel'22h7g77**

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish biyi'
1hoot'4h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish b1
7hoo'aah

azee' 22h 1l'9 bee
na'anish7g77 B44
h0zin7go bik'7'dit'99'

Hodahgo 0lta' 7hoo'aah7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish bee
1k1'a'1yeed7g77



Applications
Clearing House

- Kin Naach'22hj7
- Hai 47 baa nida'diyoon7g77 bitah hidoodlah

Naanish bik'eh yilwo[
doolee[7g77 hadadidooly88[

Arizona B44sh [ich7i'ii biyi'doo azee' 22h 1l'9
B44sh { ich7i'ii Nanitl'ahgo Bee Na'anish7g77 Bee Na'anishN4l'9go
bee &'n4el'33h7g77

Asee' ! l'9j7 Bik'ehgo Na'anish Doolee[7g77 A[k44'
nidoo'ni[
• ! I11hdi Nizh0n7go Bik'ehgo ! 'dooly88[

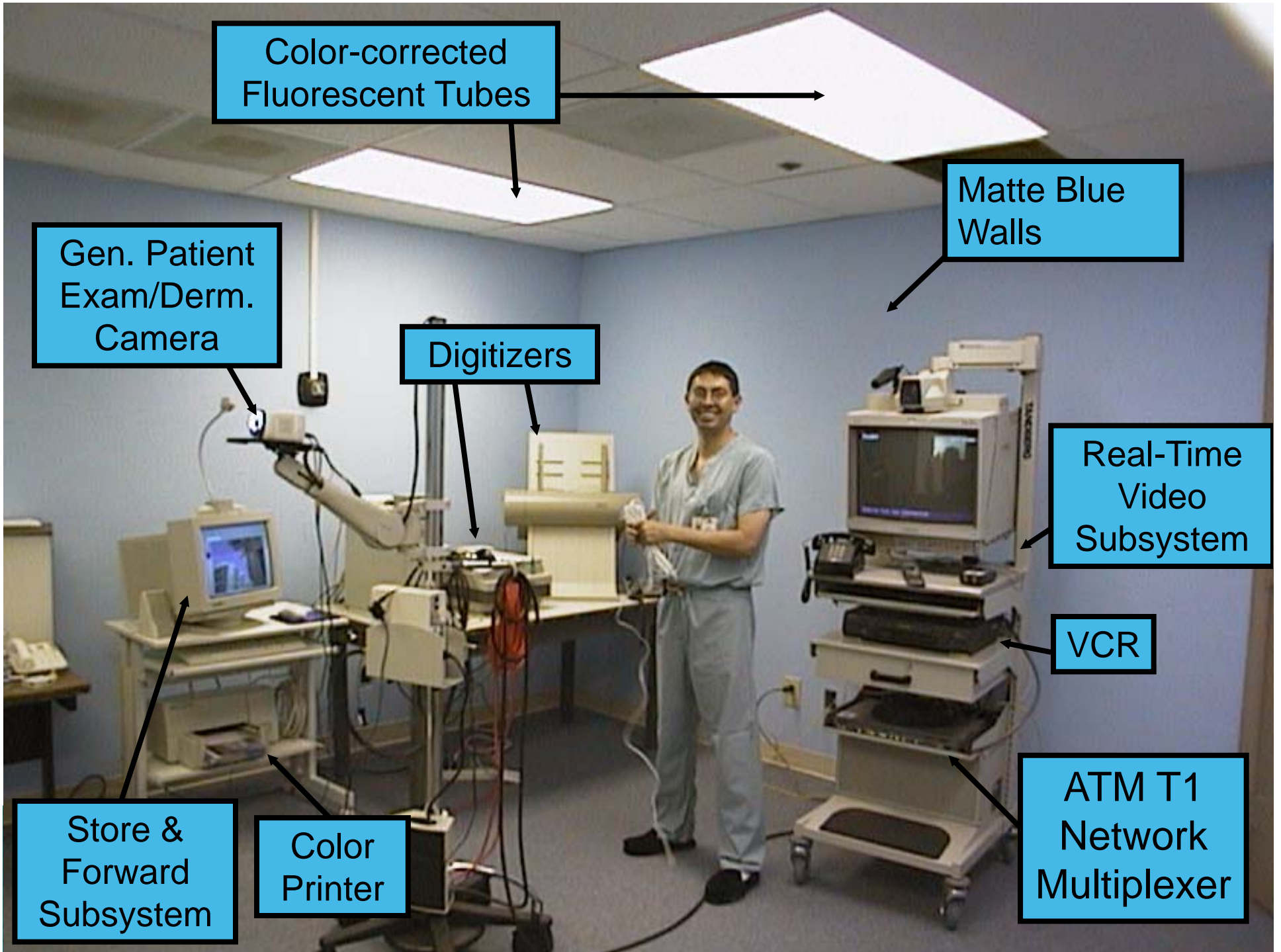
Adooly88[7g77 \$7 B44 H0zin7go D00 Azee' ! l'9j7 Na'alcaah
• D7kw7d66' Sh99 B4eso B1 W0keed7g77 D00 Bee A[ha'deet'3n7g77

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B44sh [ich7i'ii biyi'doo azee' 22h 1l'9j7 T'1adoo Le'4 Bee Nida'anish7g7
A[hi[Nidaalnishgo &deiy7n0sindoo \$7 T'11 ! t'4 B44sh [ich7i'ii
da'ni[ts'33hd66' bee ahi[na'anish7g7





Color-corrected
Fluorescent Tubes

Matte Blue
Walls

Gen. Patient
Exam/Derm.
Camera

Digitizers

Real-Time
Video
Subsystem

VCR

ATM T1
Network
Multiplexer

Store &
Forward
Subsystem

Color
Printer

Azee' li[9'n7 Yiini[9'
K'ad ! hoot'4h7g7
Naalkid bi sub-system

Bii'j8' Ya'1ti'go saad
bik'7nihi'ni[7g7

Aj47 Yilwo[7g7 bee
W0lts'3'7g7 Dah Na'ij99hgo
W0[ta'7g7



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B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'98go
bee 7'neel'22h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish biyi'
1hoot'4h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish b1
7hoo'aah

B44sh [ich7i'ii biyi'doo
azee' 22h 1l'9 bee
na'anish7g77 B44
h0zin7go bik'7'dit'99'

Hodahgo 0lta' 7hoo'aah7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish bee
1k1'a'1yeed7g77



B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'98go
bee 7'neel'22h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish biyi'
1hoot'4h7g77

B44sh [i
azee'
na'ar
h0zin7g

B44sh [ich7i'ii biyi'doo
azee' 22h 1l'9 bee
na'anish b1 7hoo'aah

doo azee'
nish b1

Hodahgo Olta' 7hoo'aah7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish bee
1k1'a'1yeed7g77



ARIZONA TELEMEDICINE PROGRAM



- Home
- About Us
- Clinical Services
- Distance Education
- Applications & Network
- Publications

Hot Links

- ATP Help Desk
- ATP Training
- Arizona Telemedicine Council
- Press Releases
- Tele-Diabetes Programs
- Frequently Asked Questions
- Contact Us



Search

Training

Arizona Telemedicine Training Program

The Arizona Telemedicine Training Program provides instruction in the many aspects of running a telemedicine program. Topics include clinical applications, telecommunications infrastructure development and operations, distance education, evaluation, business and administration.

The training program offers both one and two day training conferences.

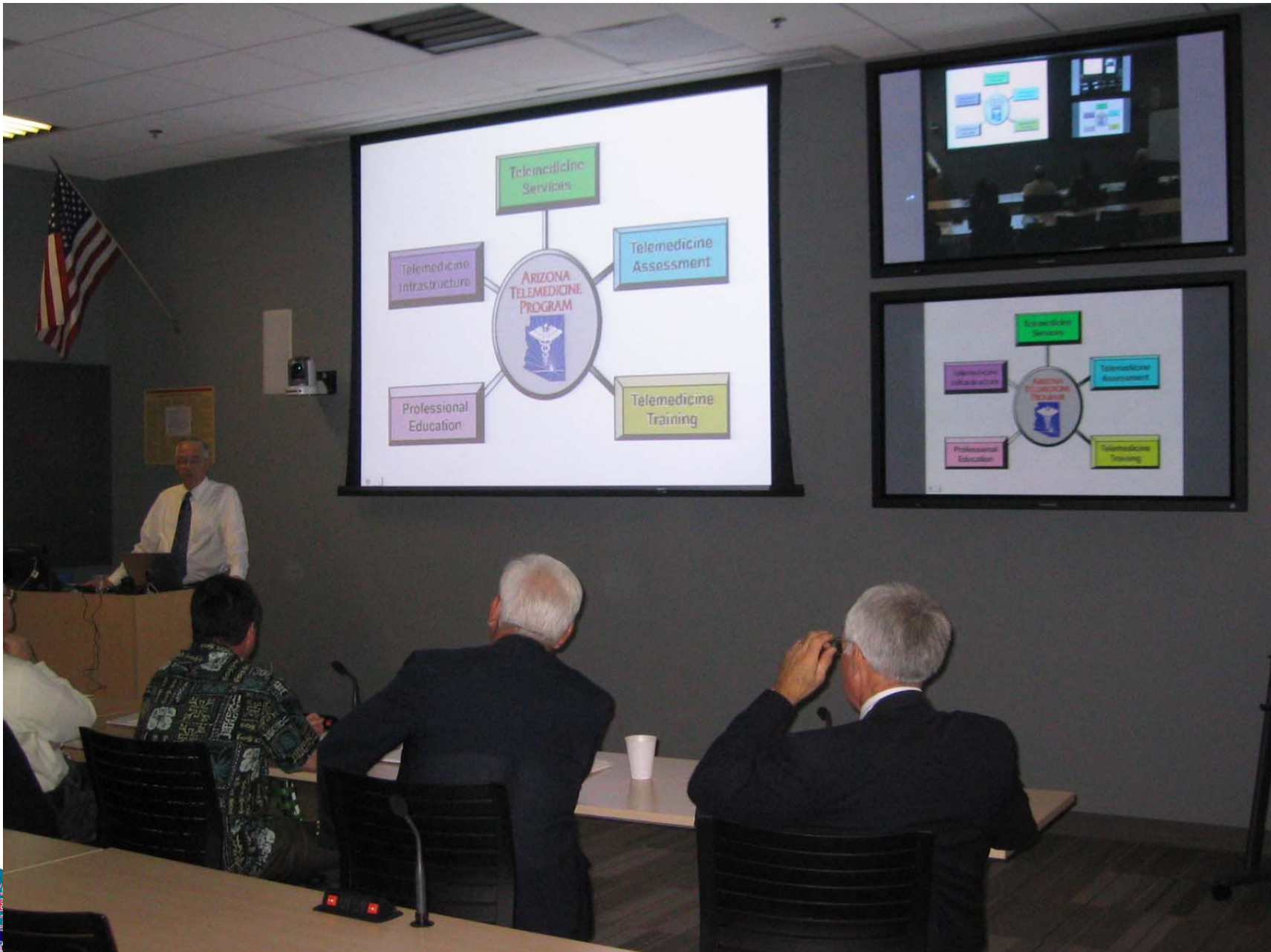
Hands-on Training

The 1 day conferences provide a general overview of various telemedicine program components. These 1 day conferences are ideal for individuals or groups just beginning a telehealth program. It's the perfect course for busy professionals who have a hard time getting away for multiple days. This course also serves the as a great refresher course for previous attendees.



The 2 day conferences offer a more detailed "how-to" approach for any telemedicine program. These 2 day conferences offer a more in-depth look of the clinical aspects of a telehealth program. These 2 day conferences are excellent for individuals or groups who have some telehealth experience and are looking to expand their services. It's also a great course for those new to telehealth who are looking to understand this growing industry.







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B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'98go
bee 7'neel'22h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish biyi'
1hoot'4h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish b1
7hoo'aah

B44sh [ich7i'ii biyi'doo
azee' 22h 1l'9 bee
na'anish7g77 B44
h0zin7go bik'7'dit'99'

Hodahgo 0lta' 7hoo'aah7g77

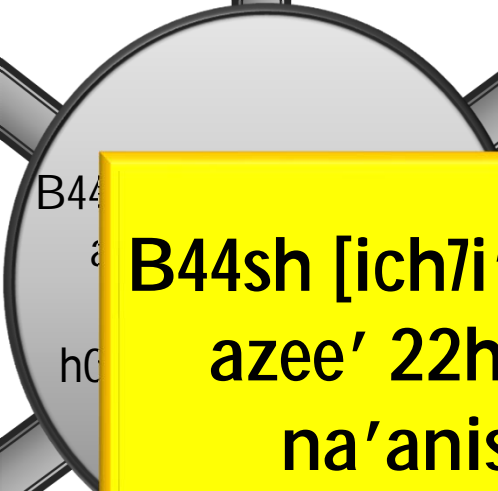
B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish bee
1k1'a'1yeed7g77



B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'9go
bee 7'neel'22h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish biyi'
1hoot'4h7g77

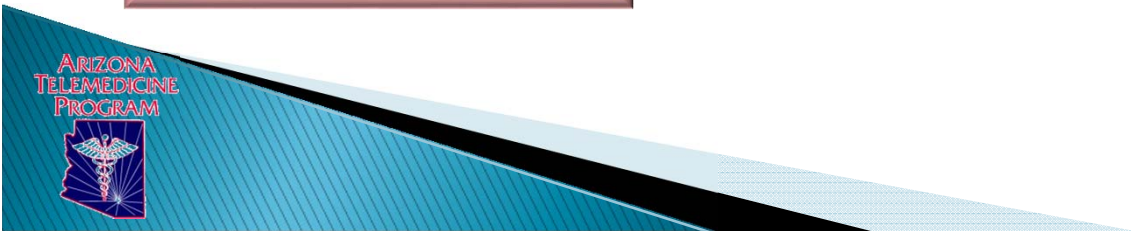
B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish b1
7hoo'aah



B44sh [ich7i'ii biyi'doo
azee' 22h 1l'9 bee
na'anish bee
1k1'a'1yeed7g77

Hodahgo Olta' 7hoo'aah7g77

biyi'doo azee'
na'anish bee
1k1'a'1yeed7g77



B44sh [ich7i'ii biyi'doo
bee agha'd7ldla' yee

4da'1niih7g77

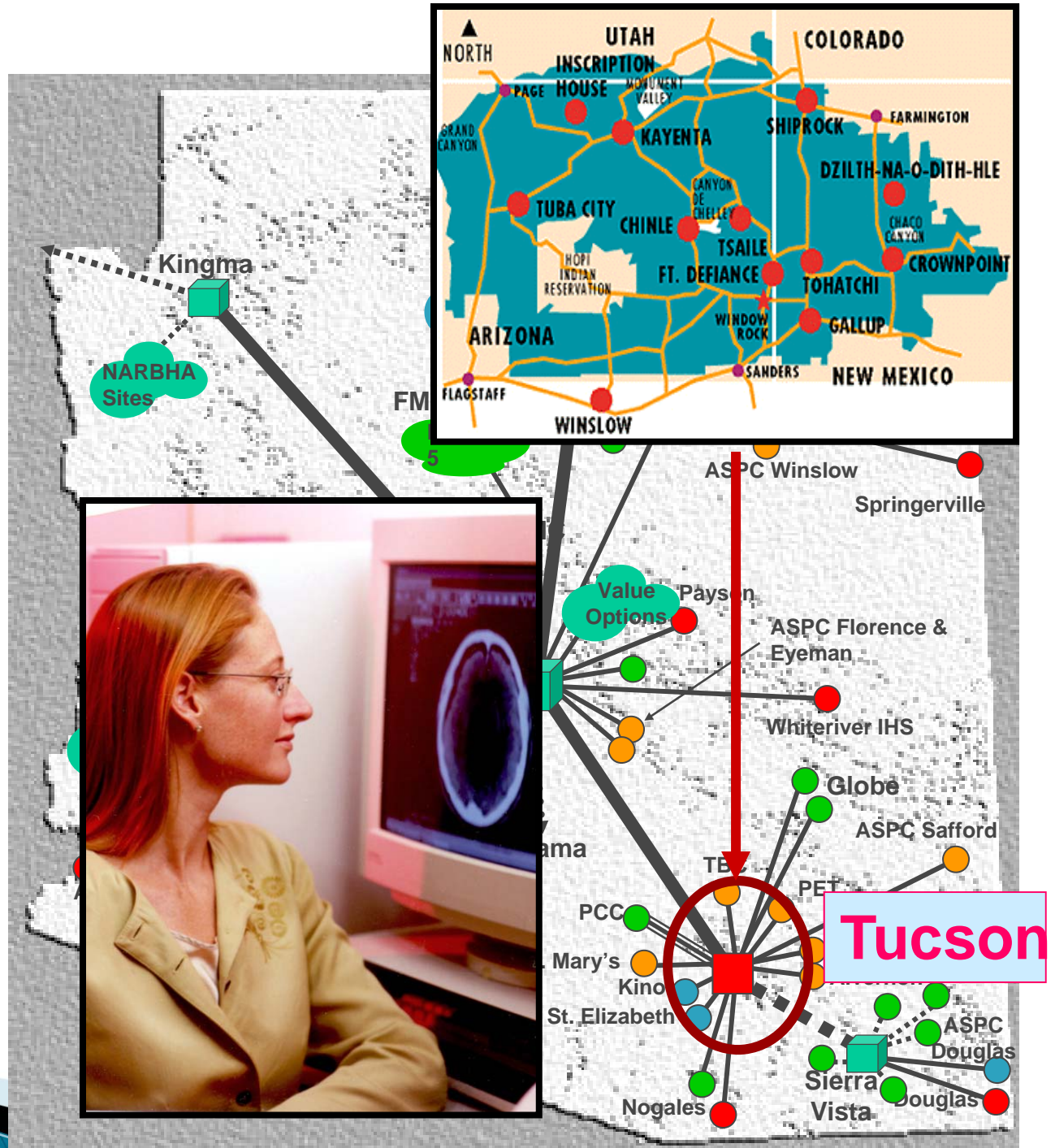
500,000+ cases

Din4 Bik4yah -

- 12 Azee' 1l'9
- Y4ego bich'8'
- 1n7dahaz't'i'7g77
- B44sh [ich7i'ii biyi'doo bee
- habe' n4l'9n7g77
- Hats'77s biyi' diits'a'7g77
- t'11 a[tsod66' hats'77s
- binika'd7ldla' hats'in d00
- hats8' 1t'4h7g77
- MRI

Chish7 d00 Dzi[gh2'7
bik4yah -

\$182,000 b4eso t'1adoo
chooz'99d da chid7 naat'a'7
t'1adoo bee na'azhnish da
[a' azee' 1l'99d66' da



Teledermatology

B44sh [ich7i'ii biyi'doo bee ak1g7 naalkaah





344sh [ich7i'ii biyi'doo bee ak1g7 naalkaah




info and news

info and news

- [Welcome](#)
- [Featured Links](#)
- [Network News](#)
- [Contact Information](#)

- program overview
- site coordinators
- site calendars
- forms
- procedures & guidelines
- activity data
- resources

quick links

-  request form
-  network map
-  weekly network meetings

welcome

Welcome to the **Arizona TeleBehavioral Health Network** website. Our goal is to provide network users with simplified methods for:

- requesting connectivity for videoconferences
- capturing and reporting videoconference activity data
- viewing weekly videoconferences scheduled across networks
- obtaining information (news, procedures/guidelines, forms)



B44sh [ich7i'ii biyi'doo bee -1n7ts4kees bee
ach'8' ya'1ti'



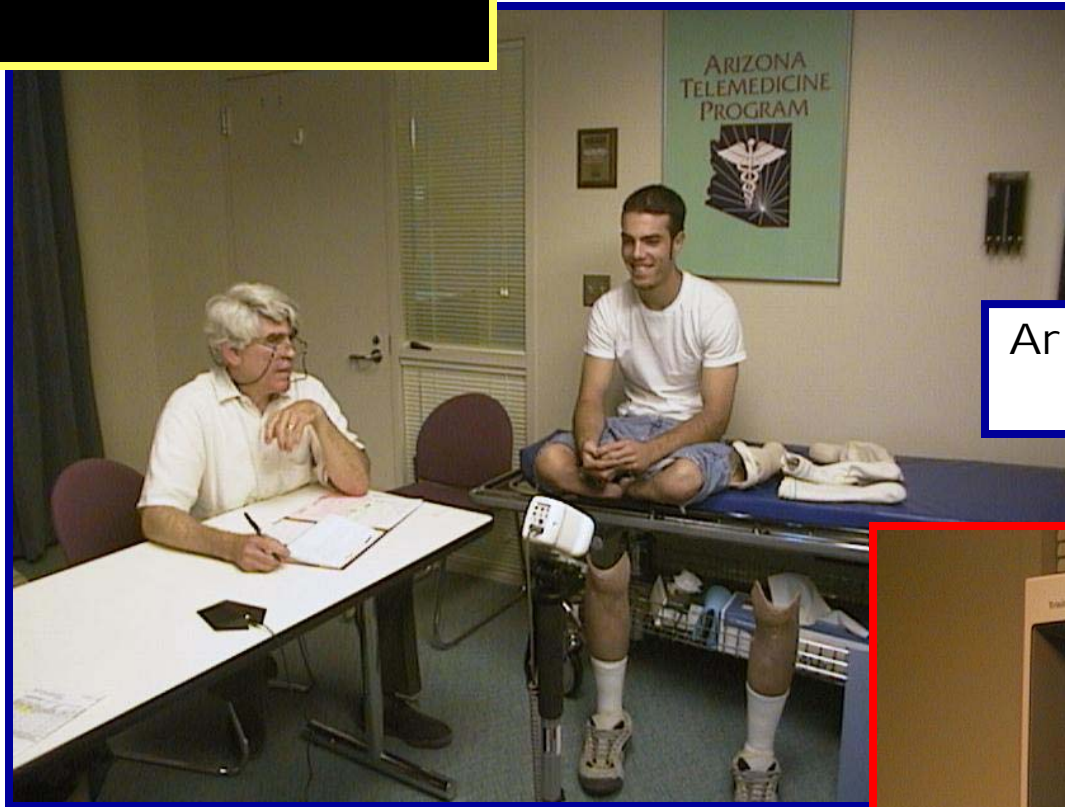


Sara Gibson, M.D.

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Interstate Telemedicine



Arizona Telemedicine Program
Tucson, AZ



Intermountain Shriners Hospital
Salt Lake City, Utah

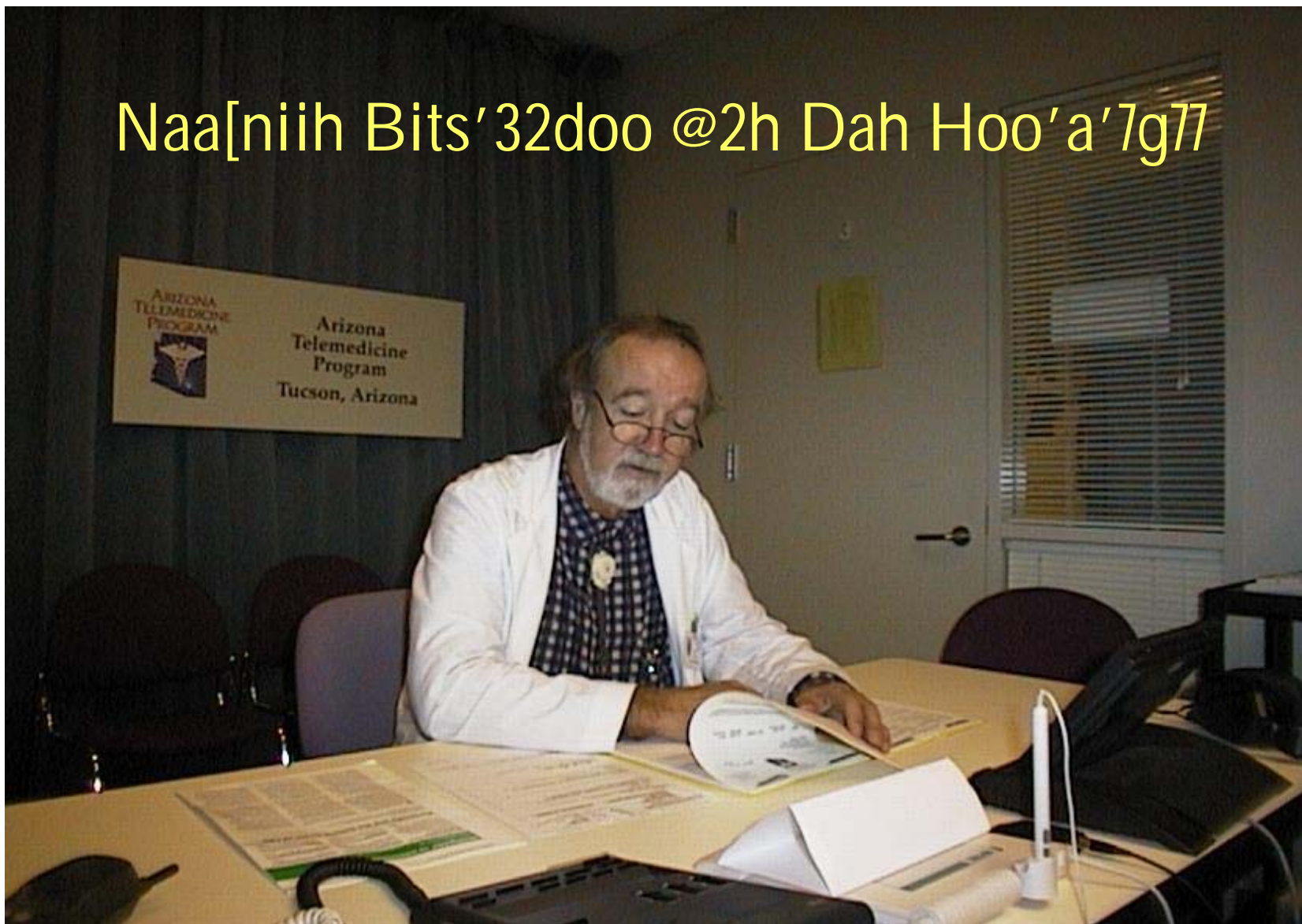
ARIZONA
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PROGRAM



B44sh [ich7i'ii biyi'doo naa[niih yee 4da'1niih7g77



Naa[niih Bits'32doo @2h Dah Hoo'a'7g77



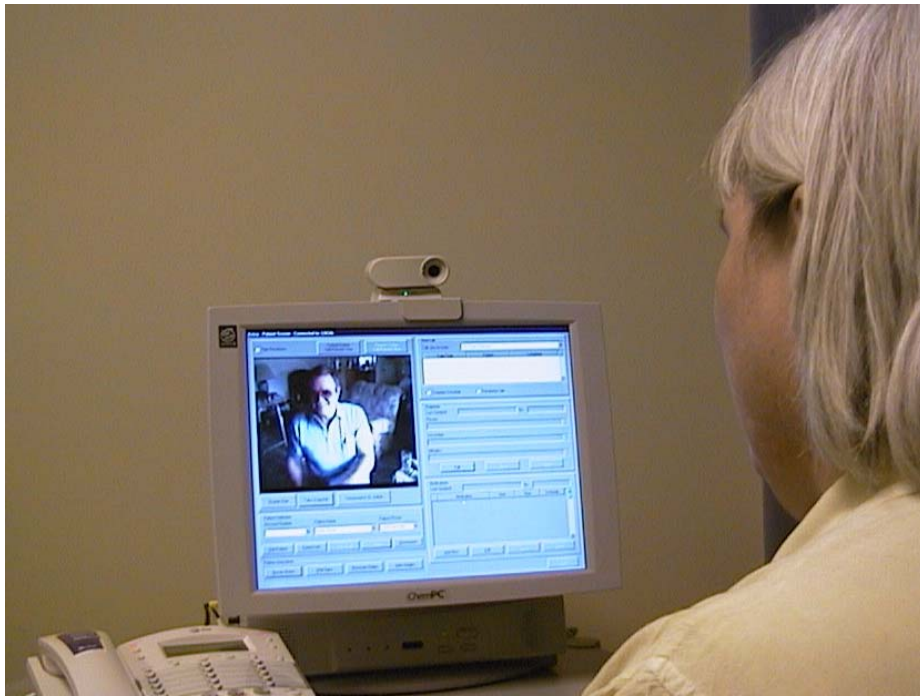
B44sh { ich7i'ii Biyi'doo Jidiniih7g77 Bee
@2h A'11'9 Be'azee' ! I'%j7



B44sh { ich7i'ii Biyi'doo T'11
Hooghandoo Ats'77s Baa
! hay3



B44sh { ich7i'ii Biyi'doo T'11 Hooghandoo Ats'77s Baa ! hay3

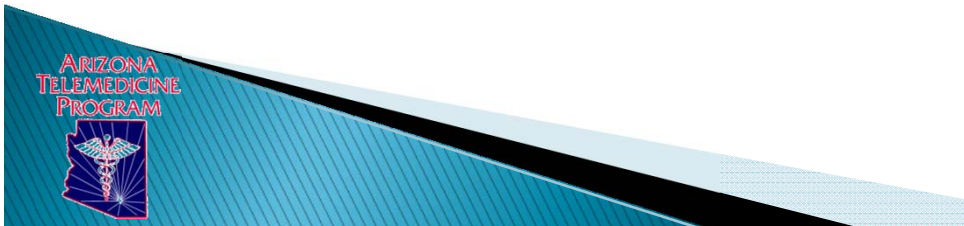


B22h Dah Haz'3n7g77 Bighandi Bi[Na'anishgo Haz'3

**Azee' Neik1h7 Binaanish
Bi[Haz'32gi**



B22h Dah Haz'3n7g77 ! sh88h { ik1nii Bidi[Bii'
H0l=n7a77 Bee N4l'9



Home Health – Ostomy Care



Hachaan Bee Hach'8'
N1hwii'n11go Biniy4
Naho'digishgo

Halizh Bee Hachi8'
N1hwii'n11go Naan1
{ahgigo Haal88goH1
! I'88h

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Teleophthalmology

B44sh [ich7i'ii bee an11' n4l'98go yee 1da'1niih7g77



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Telecolposcopy



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B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'98go
bee 7'neel'22h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish biyi'
1hoot'4h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish b1
7hoo'aah

B44sh [ich7i'ii biyi'doo
azee' 22h 1l'9 bee
na'anish7g77 B44
h0zin7go bik'7'dit'99'

Hodahgo 0lta' 7hoo'aah7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish bee
1k1'a'1yeed7g77



B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish n4l'98go
bee 7'neel'22h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish biyi'
1hoot'4h7g77

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish b1
7hoo'aah

Hodahgo Olta'
7hoo'aah7g77

Hodahgo Olta'...

B44sh [ich7i'ii biyi'doo azee'
22h 1l'9 bee na'anish bee
1k1'a'1yeed7g77





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<http://video.biocom.arizona.edu>

Distance Education

Nizaad66' 7hoo'aah7g77



10,000+ hours of CME/CE

Azee', N1ho'dilgish, ! [ch7n7 Azee B22h ! l9, ! n7ts4kees B22h Dah Haz'1n7g77 Bee B22h A'11'9,
Azee' Neik1h7, T'11 A[tso B1 Azee' ! l'9, Bee l[Hane'

<http://aztel.arizona.edu/calendar>
username: atpguest password: atp123



<p><u>17</u></p> <p>7:30 a.m. - 8 a.m. <u>Satellite Test Time: WRSU, SMH, SAMC</u></p> <p> Satellite Programming 8 a.m. - 12 p.m. <u>Cultural Aspects of Death and Dying Speaker: Cheryl Mallernee McGaffic, PhD, RN, CCRN</u></p> <p>12 p.m. - 12:30 p.m. <u>SGR Test Time: SAMC, WRSU, PRMC, MCHC</u></p> <p> Surgery Grand Rounds 12:30 p.m. - 1:30 p.m.</p>	<p><u>18</u></p> <p>10:45 a.m. - 11:15 a.m. <u>Cardio Test Time: TCIMC, ADCPXC, ASPCEYM, ASPCDOU, ASPCFLO, ASPCYUM, SAMC</u></p> <p>10:45 a.m. - 11:15 a.m. <u>Cardio Test Time: TCIMC, SMG</u></p> <p> Cardiology Grand Rounds 11:15 a.m. - 12:15 p.m.</p> <p>11:15 a.m. - 12:15 p.m. <u>Cardiology Lecture Series (JHS Sites Only)</u></p>	<p><u>19</u></p> <p>11:30 a.m. - 12 p.m. <u>MGR Test Time: ADCPX, ASPCEYM, ASPCFLO, ASPCYUM, ASPCDOU, SAMC, WRSU, PRMC</u></p> <p> Medicine Grand Rounds 12 p.m. - 1 p.m. <u>Clinicopathological Conference</u></p> <p>3:30 p.m. - 4 p.m. <u>Psych GR - Test Time - NARBHA, SAMC, TCIMC</u></p> <p> Psychiatry Grand Rounds 4 p.m. - 5:30 p.m.</p>	<p><u>20</u></p> <p>11:30 a.m. - 12 p.m. <u>PHGR Test Time:</u></p> <p> Public Health Grand Rounds 12 p.m. - 1 p.m.</p>	<p><u>21</u></p>
<p><u>24</u></p> <p>11:30 a.m. - 12 p.m. <u>SGR Test Time: SAMC, WRSU, PRMC, MCHC</u></p> <p> Surgery Grand Rounds 12 p.m. - 1 p.m.</p>	<p><u>25</u></p> <p>12 p.m. - 12:30 p.m. <u>Peds GR Test Time:</u></p> <p> Pediatric Grand Rounds 12:30 p.m. - 1:30 p.m.</p>	<p><u>26</u></p> <p>11:30 a.m. - 12 p.m. <u>MGR Test Time: ADCPX, ASPCEYM, ASPCFLO, ASPCYUM, ASPCDOU, SAMC, WRSU, PRMC</u></p> <p> Medicine Grand Rounds 12 p.m. - 1 p.m.</p>	<p><u>27</u></p>	<p><u>28</u></p>

<http://video.biocom.arizona.edu>



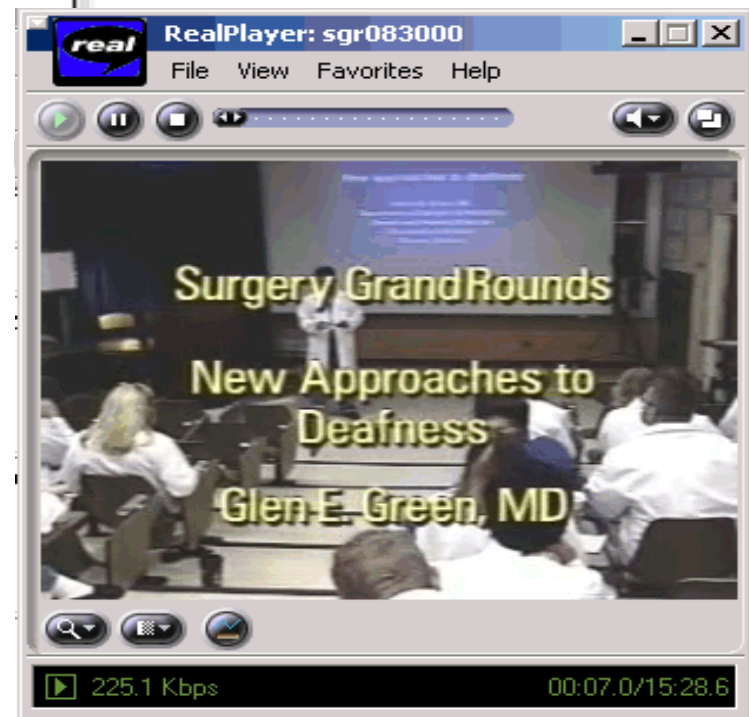
Biomedical Communications

Streaming Video Server

Live Video



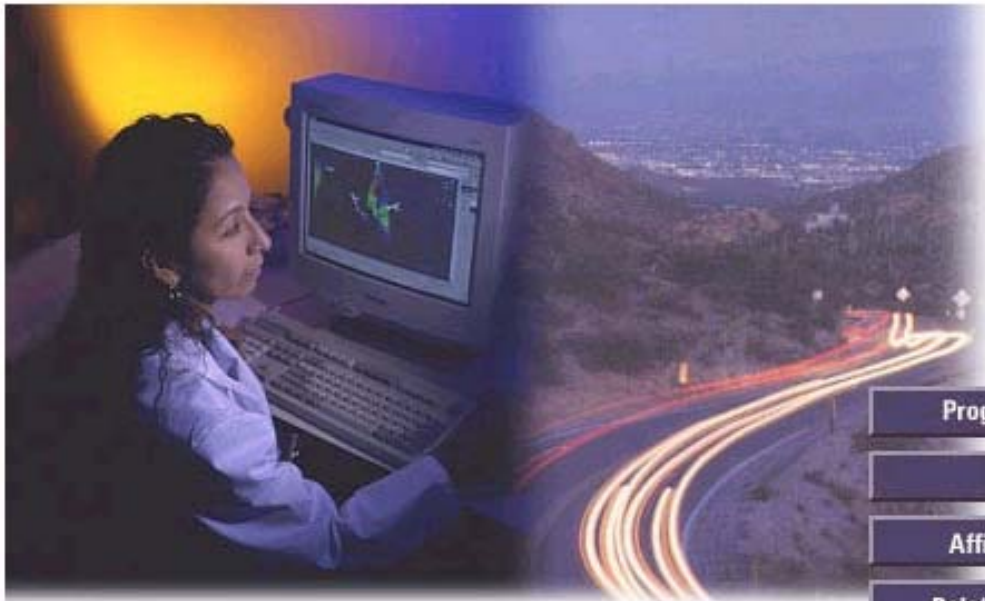
Video Files



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Program Description

Publications

Affiliated Programs

Related Web Resources

Arizona Health Sciences Center

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National Awards:



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Health Management
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