

# Text processing and encoding. Indology and computer philology

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University of Würzburg

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# Outline

Pratijñāyauḡandharāyaṇa

“Bhāsa-Project”

Current/Future

Internals

# Dissertation 2007

“Pratijñāyugandharāyaṇa.  
Digitalisierte Textkonstitution, Übersetzung und Annotierung”,  
Ahlborn 2007.

# Critical Edition

Different kinds of text:

- Sanskrit
- Prakrit
- verses
- prose
- speaker
- stage directions
- German translation

## Example: Pratijñāyaugandharāyaṇa

*Pratijñāyaugandharāyaṇa*

(*sthāpnā* (2.3) )

()

(*tataḥ praviśati yaugandharāyaṇaḥ sālakena saha*(2.4) )

(*Dann tritt YAUGANDHARĀYAṆA mit SĀLAKEA auf.*)

**yaugandharāyaṇaḥ** — *sālaka sajjas tvam*(2.5)

[SĀLAKEA, bist du bereit?]

**sālakaḥ** — *ayya aha it*(2.6)

[Edler, gewiss]

**yaugandharāyaṇaḥ** — *mahān khalv adhvā gantavyaḥ*(2.7)

[Du musst allerdings einen weiten Weg gehen.]

**sālakaḥ** — *ayya mahattarena sipehena ayyam uvacithāmi*(2.8)

[Edler, noch weiter [geht] die Liebe mit der ich dem Edlen zur Verfügung stehe.]

**yaugandharāyaṇaḥ** — *hanta yasyati balavān yasya saharthaḥ* (2.9) *katāḥ* (2.10)

[Jawohl! Kraftvoll schreitet voran, wer einen Gleichgesinnten hat! Warum?]

3 *snigdhesv āśajyam karma yad duḥkaram syād*

*yo vā vijñātā sat-kṛtānāp guṇānām*

*kṛitāy sāmartyāy yasya tasya krameṇa*

2.6 *ārya aha kim* (6)

2.8 *mahattarena sipehēnāyam upatiṣṭhe* (8)

13 *atha ārye* sūtrlich: „Was nun?“ im Sinn von „Ja, ich bin bereit, was geht es jetzt zu tun?“

14 *katāḥ* im Sinn von: „Du sagst zwar, du bist bereit, aber du musst ...“

15 Mit *sneha* (Liebe, Loyalität) ist hier ein zentrales Thema des Dramas angesprochen; dieses wird im folgenden Vers ausführlicher dargestellt.

16 Wörtlich: „als ein Starker“.

17 WS: „A strong man or a devoted man will go far.“ (Ist mit *z sahartham*, das aber nur im dort sehr unüblichen Ms M zu finden ist).

2.3 *sthāpnā* LBHQ: *śmāḥam* [TF: TFR%] | TF: *c equbj/mk d az*

Zwar liegt hier an dieser Stelle eine eindeutige Aufteilung der Ms vor, aber diese findet keine Bestätigung im restlichen Text; im Normalfall folgt c dem Ms MFBD, und nicht der Gruppe TFNQ.

2.6 *ayya N: om* [EFwo- EFvo ] | EF: *n/-[k]*

Interessanterweise steht hier bei *ā* das *ayya*, das bei *N* (nach dem sich normalerweise *ā* richtet) fehlt.

2.8 *ayya PMA: om* | TFZd TFwo- TFvo ] | TF: *āda/mr e e ubj[q]*

2.9 *gasya ak: aspe* [EPse ] | EF: *mk/-[k]*

— *saharthaḥ* CKZ: *śaharṭam BL: jahat* | EFwo% / EFwo%*d* | EF: *mk/bj/-[k]*

*M* könnte zu *śaharṭam* verbessert sein.

2.10 *katāḥ F: om* | EFwo- EFps ] | EF: *l/-[k]*

*katāḥ* vor einem Vers variiert sehr häufig. An manchen Stellen steht es nur in einem Ms., an anderen geht die Verteilung quer durch die Manuskripte. Leider ist auch innerhalb eines bestimmten

# Critical Edition

Different kinds of footnotes:

- chāyā (Sanskrit translation of Prakrit)
- my annotations
- variant readings

## Example: Pratijñāyaugandharāyaṇa

*Pratijñāyaugandharāyaṇa*

(*sthāpnā* (2.3) )

()

(tataḥ praviśati yaugandharāyaṇaḥ sālakena saha(2.4) )

(*Dann tritt YAUGANDHARĀYAṆA mit SĀLAKA auf.*)

**yaugandharāyaṇaḥ** — sālaka sajjas tvam(2.5)

[SĀLAKA, bist du bereit?]

**sālakaḥ** — ayya aha itp(2.6)

[Edler, gewiss]

**yaugandharāyaṇaḥ** — mahān khalvā adhvā gantavyaḥ(2.7)

[Du musst allerdings einen weiten Weg gehen.]

**sālakaḥ** — ayya mahattareṇa sipehena ayyam uvacithāmi(2.8)

[Edler, noch weiter [geht] die Liebe mit der ich dem Edlen zur Verfügung stehe.]

**yaugandharāyaṇaḥ** — hanta yāyati balavān yaśya saharthaḥ (2.9) *kuṭah* (2.10)

[Jawohl! Kraftvoll schreitet voran, wer einen Gleichgesinnten hat! Warum?]

3 snigdhav āśajyam karma yad dūṣkaram syād

yo vā vijñātā sat-kṛtānāṃ guṇānam |

*kṛitay* sāmartyayā yaśya tasya krameṣu

2.6 ārya aha kim (6)

2.8 mahattareṇa sipehēṇyam upatiṣṭhe (8)

13 *atha hinc* sūtrlich: „Was nun?“ im Sinn von: „Ja, ich bin bereit, was gilt es jetzt zu tun?“

14 *kuṭah* im Sinn von: „Du sagst zwar, du bist bereit, aber du musst ...“

15 Mit *sneha* (Liebe, Loyalität) ist hier ein zentrales Thema des Dramas angesprochen; dieses wird im folgenden Vers ausführlicher dargestellt.

16 Wörtlich: „als ein Stärker“.

17 WS: „A strong man or a devoted man will go far.“ (Ist mit z *saharṭam*, das aber nur im dort sehr unüblichen Ms M zu finden ist).

2.3 *sthāpnā* LBHQ: *śmāḥam* [TF: TFR% ] | TF: c equbj/mk d az]

Zwar liegt hier an dieser Stelle eine eindeutige Aufteilung der Ms vor, aber diese findet keine Bestätigung im restlichen Text; im Normalfall folgt c den Ms MFBD, und nicht der Gruppe TFNQ.

2.6 *ayya* N: om. [EFwo- EFvo ] | EF: n/-[k]

Interessanterweise steht hier bei b das *ayya*, das bei N (nach dem sich normalerweise b richtet) fehlt.

2.8 *ayya* PDA: om. | TFXD TFwo- TFvo ] | TF: āda/mr e e ubj[q]

2.9 *guyya* MK: *ayya* [E.Pwz ] | EF: mk/-[k]

— *saharṭah* CKZ: *saharṭam* BL: *śaharṭ* | EFwo% / EFwo%id ] | EF: nk/bj/-[k]

M könnte zu *saharṭam* verbessert sein.

2.10 *kuṭah* F: om. | EFwo- EFps- ] | EF: f/-[k]

*kuṭah* vor einem Vers variiert sehr häufig. An manchen Stellen steht es nur in einem Ms., an anderen geht die Verteilung quer durch die Manuskripte. Leider ist auch innerhalb eines bestimmten

# Critical Edition

Different kinds of numbers:

- footnote numbers
- verse numbers
- sentence numbers

Example: Pratijñāyaugandharāyaṇa

Pratijñāyaugandharāyaṇa

(sthāpnā (2.3) )

()

(tataḥ praviśati yaugandharāyaṇaḥ sālaka saha(2.4) )  
(Dann tritt YAUGANDHARĀYAṆA mit SĀLAKA auf.)

**yaugandharāyaṇaḥ** — sālaka sajjas tvam(2.5)  
[SĀLAKA, bist du bereit?]

**sālakaḥ** — ayya aha ip(2.6)  
[Edler, gewiss]

**yaugandharāyaṇaḥ** — mahān khalv adhvā gantavyaḥ(2.7)  
[Du musst allerdings einen weiten Weg gehen.]

**sālakaḥ** — ayya mahattareṇa sipehena ayyam uvacithāmi(2.8)  
[Edler, noch weiter [geht] die Liebe mit der ich dem Edlen zur Verfügung stehe.]

**yaugandharāyaṇaḥ** — hanta yāsyati balavān yaśya saharthaḥ (2.9) kutaḥ (2.10)  
[Jawohl! Kraftvoll schreitet voran, wer einen Gleichgesinnten hat! Warum?]

3 snigdhesv āśajyam karma yad dūṣkaram syād  
yo vā vijñātā sat-kṛtānāṃ guṇānam |  
kṛitāṃ sāmartyaṃ yaśya tasya krameṣu

2.6 ārya aha kim (6)

2.8 mahattareṇa sipehēṇyam upatiṣṭhe (8)

13 *atha hinc* sūtrlich: „Was nun?“ im Sinn von „Ja, ich bin bereit, was gilt es jetzt zu tun?“

14 *haha* im Sinn von: „Du sagst zwar, du bist bereit, aber du musst ...“

15 Mit *sneha* (Liebe, Loyalität) ist hier ein zentrales Thema des Dramas angesprochen; dieses wird im folgenden Vers ausführlicher dargestellt.

16 Wörtlich: „als ein Starker“.

17 WS: „A strong man or a devoted man will go far.“ (Ist mit z *sahārdam*, das aber nur im dort sehr unüblichen Ms M zu finden ist).

2.3 *sthāpnā* LBHQ: *śmāḥam* [TF: TFR% ] | TF: c equbj/mk d az]  
Zwar liegt hier an dieser Stelle eine eindeutige Aufteilung der Ms vor, aber diese findet keine Bestätigung im restlichen Text: im Normalfall folgt c den Ms MFBD, und nicht der Gruppe TFNQ.

2.6 *ayya* N: om. [EFwo- EFvo ] | EF: s/-/k]

Interessanterweise steht hier bei B das *ayya*, das bei N (nach dem sich normalerweise B richtet) fehlt.

2.8 *ayya* PDA: om. | TFZd TFwo- TFvo ] | TF: śa/mr e e ubj/q]

2.9 *gusa* mk: *uṣṣe* [E.Pse ] | EF: mk/-/k]

— *sahārdha* cke *sahārdam* BL: *śahāḥ* | EFwo% / EFwo%id ] | EF: mk/bl/-/k]

M könnte zu *sahārdam* verbessert sein.

2.10 *kutaḥ* F: om. | EFwo- EFpa- ] | EF: f/-/k]

*kutaḥ* vor einem Vers variiert sehr häufig. An manchen Stellen steht es nur in einem Ms., an anderen geht die Verteilung quer durch die Manuskripte. Leider ist auch innerhalb eines bestimmten

# Index

## Features

- lists every wordform
- in "pausa-form"
- Sanskrit and Prakrit
- has information about kind of text:
  - "skt" = Sanskrit (prose)
  - "cha" = Chāyā
  - "v" = Sanskrit verse
  - "rz" = regie, zentered
  - "pra" = Prakrit (prose)
  - ...

## Example

**prekṣasva** *prati1* cha,13,12; cha,15,21; *prati3* cha,1,33; cha,1,33;

**prekṣitum** *prati1* cha,17,2;

**prekṣiṣye** *prati3* cha,0,11;

**prekṣe** *prati3* cha,0,2; cha,0,17; cha,1,22; *prati4* cha,0,2;

**prekṣya** *prati1* cha,8,5; cha,16,5; *prati2* cha,6,9; *prati3* cha,1,34;

**pretya** *prati1* v,14;

**preṣayati** *prati1* vf,2; *prati2* skt,5,6;

**preṣayitum** *prati1* cha,1,10;

**preṣayiṣyāmi** *prati1* v,2;

**preṣita** *prati2* cha,10,9;

**preṣitaḥ** *prati2* skt,9,5;

**prodbhāsitābhyām** *prati1* cha,6,36;

**phalaka** *prati4* rz,5,20;

**phalakā** *prati4* skt,24,6;

**phalanti** *prati1* v,18;

**phalam** *prati1* skt,5,9; v,12;

**phena** *prati3* pra,1,26;

**phenāmāṇa** *prati3* pra,0,26;

# Textual Criticism

## Stemma

bl	22,0
mf	13.4
eq	1.6
nbl	4.9
mfr	1.0
mfrcd	1.7
eqnbl	1.6

Tabelle 5.1.: Stemma-These S1

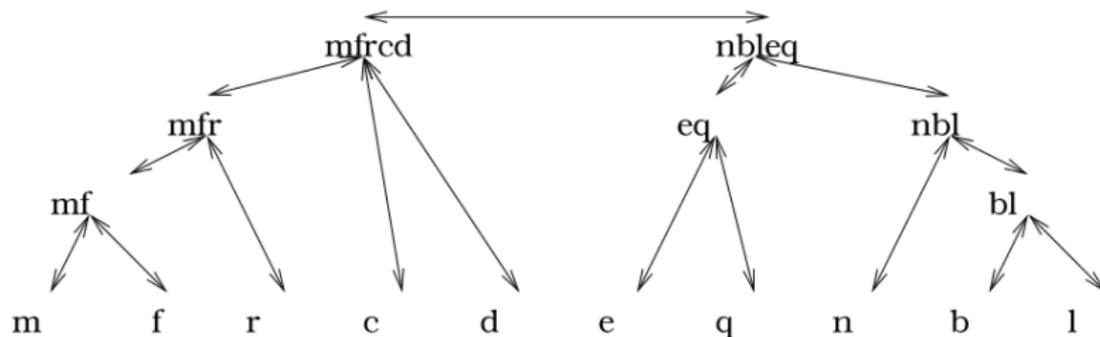


Abbildung 5.1 · Stemma-These S2

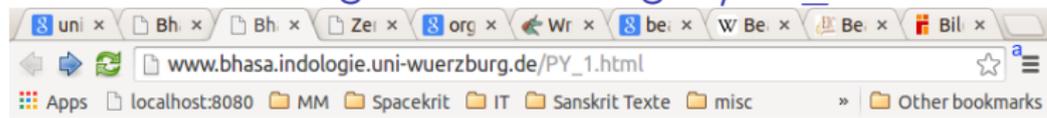
# “Bhāsa-Project”

## Multimediale Datenbank zum Sanskrit-Schauspiel: Texte und Aufführungen

- DFG Förderung 2004–2008
- Projektleitung: Prof. Dr. Heidrun Brückner
- Mitarbeiter:
  - Dr. Heike Moser
  - Dr. Matthias Ahlborn
  - Dr. Anna Aurelia Esposito

# Text in HTML

[www.bhasa.indologie.uni-wuerzburg.de/PY\\_1.html](http://www.bhasa.indologie.uni-wuerzburg.de/PY_1.html)



2  
puruṣaṃ preṣayaty eṣa yathā yaugandharāyaṇaḥ

2.2 *niṣkrāntau*

2.3 *sthāpanā*

2.4 *tataḥ praviśati yaugandharāyaṇaḥ sālakena saha*

**YAUGANDHARĀYAṆAḤ**

2.5 sālaka sajjas tvam

**SĀLAKAḤ**

2.6 ayya aha iṃ

2.6b ārya atha kim

**YAUGANDHARĀYAṆAḤ**

2.7 mahān khalv adhvaḡ gantavyaḥ

**SĀLAKAḤ**

# Index

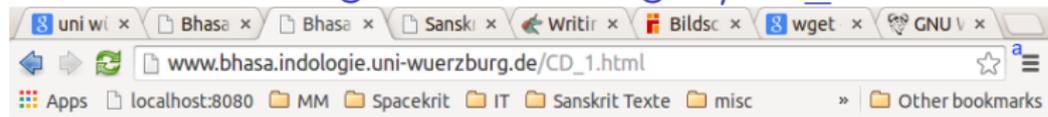
[www.bhasa.indologie.uni-wuerzburg.de/s/sn.html#igdheSu](http://www.bhasa.indologie.uni-wuerzburg.de/s/sn.html#igdheSu)

The screenshot shows a web browser window with the following content:

- Browser tabs: uni w i x, Objec x, Bhasa x, Sanskri x, Writir x, Bildsc x, wget x, GNU v x
- Address bar: www.bhasa.indologie.uni-wuerzburg.de/s/sn.html#igdheSu
- Bookmarks: Apps, localhost:8080, MM, Spacekrit, IT, Sanskrit Texte, misc, Other bookmarks
- Content:
  - [snigdheṢu](#)
    - AM\_6 16.11;
    - PY\_1 03.01;
  - [snigdhaiḥ](#)
    - SV\_1 02.04;
  - [snihyatā](#)
    - PN\_3 03.06;
  - [snihyati](#)
    - AS\_7 14.07.09;
  - [snuṢā](#)
    - PN\_3 17.20;
    - PN\_7 03.11;
    - PR\_3 23.03;
    - PY\_4 00.17.01 (ḡusā) ;
  - [sneha](#)
    - AN\_2 19.10;
    - AN\_6 23.10;
    - AS\_4 17.17; 21.10.01 ;
    - CD\_1 00.09.06 (ḡe) ;

# Links to Manuscripts

[www.bhasa.indologie.uni-wuerzburg.de/CD\\_1.html](http://www.bhasa.indologie.uni-wuerzburg.de/CD_1.html)



[Home]

## CĀRUDATTAM

*0.1 nāndy-ante tataḥ praviṣati sūtradhāraḥ* [22848.61.a.4][17622.70.a.][4.97.b]

### SŪTRADHĀRAḤ

0.2 kiṃ ṇu khu ajja paccūsa evva gehādo ṇikkhantassa bubhukkhāe pukkara-patta-paḍida-jaḷa-vindū via cañcaḷānti via me akkhīṇi [22848.61.a.5][17622.70.a.2][4.97.b.2]

0.2b kiṃ nu khalv adya pratyūṣa eva gehān niṣkrāntasya bubhukṣayā puṣkara-patrapatita-jaḷa-bindū iva cañcalāyete iva me 'kṣiṇī

0.3 *parikramya*

0.4 jāva gehaṃ gacchia jāṇāmi kiṃ ṇu khu saṃvidhā vihidā ṇa ve<sup>^</sup>tti [4.97.b.3]

0.4b yāvad gehaṃ gatvā jāṇāmi kiṃ nu khalu saṃvidhā vihitā na ve<sup>^</sup>ti

0.5 *parikramya*

0.6 edaṃ ahmāṇaṃ gehaṃ [17622.70.a.3]

0.7 jāva pavisāmi

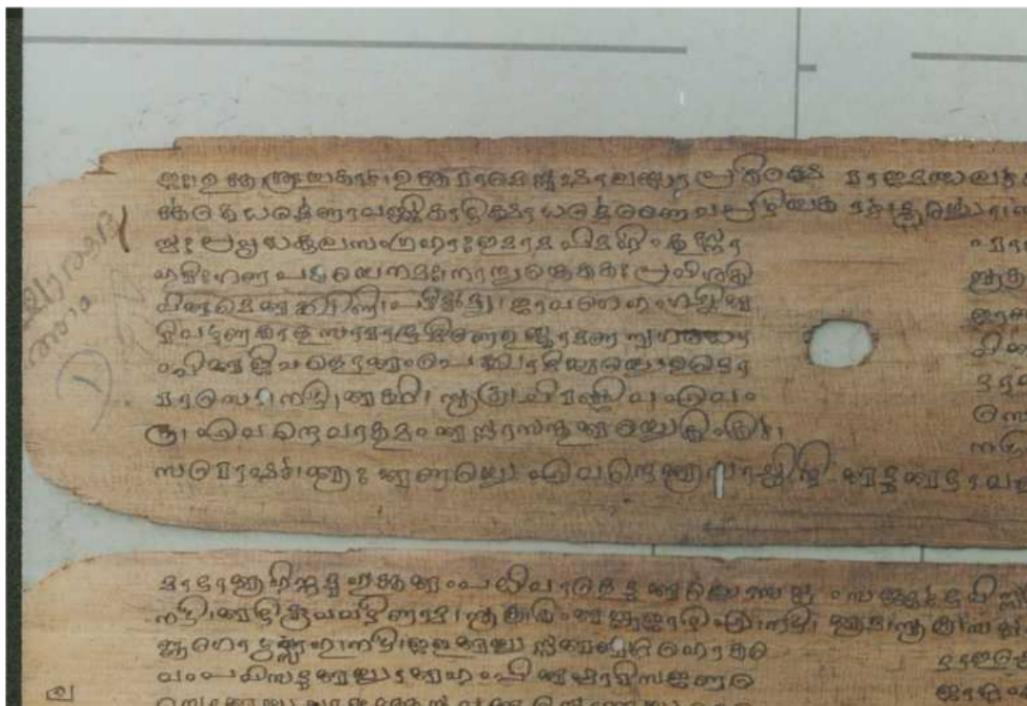
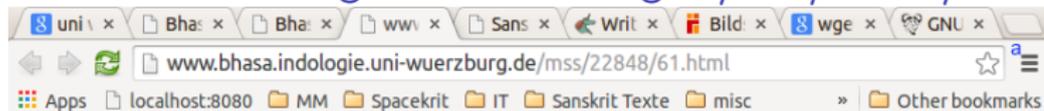
0.6b etad asmākaṃ geham

0.7b yāvat paviśāmi

0.8 *praviśyāvalokya*

# Photos of Manuscripts

[www.bhasa.indologie.uni-wuerzburg.de/mss/22848/61.html](http://www.bhasa.indologie.uni-wuerzburg.de/mss/22848/61.html)



# Pictures of Kūṭiyāṭṭam performances of Bhāsa plays

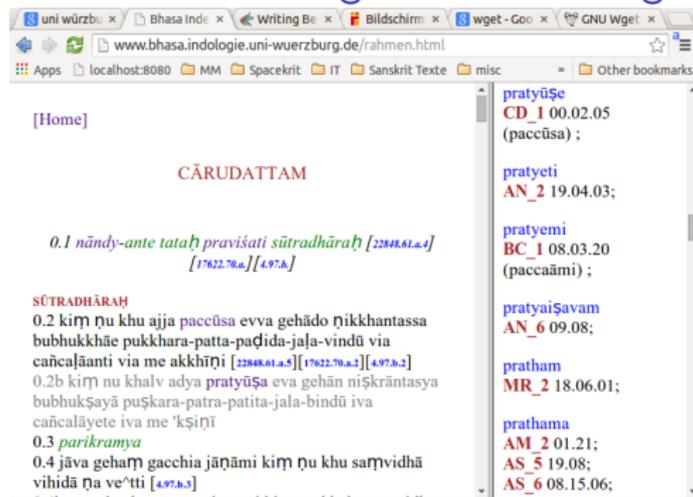
[www.bhasa.indologie.uni-wuerzburg.de/pix/PY\\_3/](http://www.bhasa.indologie.uni-wuerzburg.de/pix/PY_3/)

Bhrāntan – Kalāmaṅḍalam  
Rāma Cākyār, Valiya  
Kūṭiyāṭṭam,  
Kilimāṅḍalam: Paḷunkil  
Śivanārāyaṅakṣētram,  
29.9.96 (Foto: Heike  
Moser, 1.96.09-07)



# Everything, with "frames"

[www.bhasa.indologie.uni-wuerzburg.de/rahmen.html](http://www.bhasa.indologie.uni-wuerzburg.de/rahmen.html)



[Home]

**CĀRUDATTAM**

*0.1 nāndy-ante tataḥ praviśati sūtradhāraḥ [2248.61.a.4]  
[17622.70.a.][497.a]*

**SŪTRADHĀRAḤ**

0.2 kiṃ ṇu khu aija paccūsa eva gehādo ṇikkhantassa  
bubbukkhāe pukkharā-patta-paḍḍa-jala-vindū via  
cañcaḷānti via me akkhīṇi [2248.61.a.5][17622.70.a.2][497.a.2]

0.2b kiṃ nu khalv adya pratyūṣa eva gehān niṣkrāntasya  
bubbukṣayaḥ puṣkara-patra-patita-jala-bindū iva  
cañcalāyete iva me 'kṣiṇī

0.3 *parikramya*

0.4 jāva gehaṃ gacchia jāṇāmi kiṃ ṇu khu saṃvidhā  
vihidā ṇa ve'tti [497.b.3]

pratyūṣe  
CD\_1 00.02.05  
(paccūsa) ;

pratyeti  
AN\_2 19.04.03;

pratyemi  
BC\_1 08.03.20  
(paccāmi) ;

pratyaiṣavam  
AN\_6 09.08;

pratham  
MR\_2 18.06.01;

prathama  
AM\_2 01.21;  
AS\_5 19.08;  
AS\_6 08.15.06;



## Current/Future

Currently, I use a modified and expanded version of the technology of the “Bhasa-Project” for my research of the “Jīvanmukti” in the texts of Vidyāraṇya.

- Sanskrit Dramas and Philosophical Texts
- Index and Glossary
- Interactivity, dynamic creation of HTML pages (Clojure)
- Metadata

## Included Sanskrit Dramas:

- By Bhāsa
  - Avimāraka;
  - Abhiṣekaṅṭaka;
  - Bālacaritam;
  - Cārudatta;
  - Dūtaghaṭotkaca;
  - Dūtavākya;
  - Karṇabhāra;
  - Madhyamavyāyoga;
  - Pratimānāṅṭaka;
  - Pañcarātra;
  - Pratijñāyugaṅḍharāyaṇa;
  - Svapnavāsavadatta;
  - Ūrubhaṅga
- by other authors:
  - Abhijñātaśakuntala;
  - Mudrārākṣasa
  - Mattavilāsaprahasana  
(work in progress)
  - Mṛcchakaṭika (work in  
progress)
  - Mālatīmādhava (work in  
progress)

## New additions: Philosophical Textes

- Advaita-Vedānta

- Vyāsa: Bhagavdgītā
- Gaudapāda: Kārikā
- Śaṅkaracārya:  
Brahmasūtrabhāṣya
- Śaṅkara: Upadeśasāhasrī
- Śaṅkarācārya:  
Aparokṣānubhūti
- Sureśvara:  
Naiṣkarmyasiddhi
- Bhāratīrtha:  
Dṛḡdṛṣyaviveka
- Vidyāraṇya:  
Jīvanmuktiviveka
- Vidyāraṇya: Pañcadaśī
- Sadānand: Vedāntasāra

- Buddhist Texts

- Śāntideva:  
Bodhicaryāvatāra
- Aśvaghōṣa:  
Buddhacaritam
- Atiśa: Bodhipathapradīpā
- Nāgārjuna:  
Mūlamadhyamakārika
- Nāgārjuna: Suḡḡllekha
- Vasubandhu:  
Trisvabhāvanirdeśa
- Nāgārjuna:  
Vigrahavyāvartanī

# Text

- Sanskrit text:
  - prose
  - verses (quotes)
  - headings
- my annotations with:
  - links to the glossary
  - links to other positions in the text / to other texts

<http://localhost:8080/t/JV2#2.3>

The screenshot shows a web browser window titled "JV2 - Chromium" with the address bar displaying "localhost:8080/t/JV2#2.3". The page content is as follows:

↓ ↑ 4 DEF मनेनाशः ist निरोध des पतञ्जलि

[2.3] प्रदीपज्वालासंतानवद्वृत्तिसंतानरूपेण  
परिणममाणत्वा[Besser: °am]दिदमन्तःकरणद्रव्यं  
मननात्मकत्वान्मन इत्युच्यते । तस्य नाशो नाम  
वृत्तिरूपं परिणामं परित्यज्य निरुद्धत्वाकारेण  
परिणामः ।

Siehe Sprockhoff S.226.  
"das sich in Form einer einer Flammen-Folge gleichenden Folge von  
Modifikationen umwandelt" (Ahlborn)  
मनेनाश = eine Umwandlung des Innenorgans in Form von निरुद्धत्व (= [निरोधपरिणाम](#)). [Matthias]

[2.4] तथा च पतञ्जलिर्योगशास्त्रे सूत्रयामास :

[YS3.9] व्युत्थाननिरोधसंस्कारयोरभिभवप्रादुर्भावौ निरोध  
क्षणचित्तान्वयो निरोधपरिणाम इति ।  
[YSBh3#9]

[2.5a] व्युत्थानसंस्कारा अभिभूयन्ते ; निरोधसंस्काराः

# Text

- Sanskrit text:
  - prose
  - verses (quotes)
  - headings
- my annotations with:
  - links to the glossary
  - links to other positions in the text / to other texts

<http://localhost:8080/t/JV2#2.3>

The screenshot shows a web browser window titled "JV2 - Chromium". The address bar displays "localhost:8080/t/JV2#2.3". The page content includes a yellow header with the text "4 DEF मनोनाशः ist निरोध des पतञ्जलि". Below this, there is a section labeled "[2.3]" containing the Sanskrit text: "pradīpa-jvālā-saṃtāna-vad-vṛtti-saṃtāna-rūpeṇa pariṇamamāṇa-tvād [Besser: °am]idam antaḥkaraṇa-dravyaṃ mananātmaka-tvān mana ity ucyate | tasya nāśo nāma vṛtti-rūpaṃ pariṇāmaṃ parityajya niruddha-tvākāreṇa pariṇāmaḥ |". Below the text, there is a reference: "Siehe Sprockhoff S.226. 'das sich in Form einer einer Flammen-Folge gleichenden Folge von Modifikationen umwandelt" (Ahlborn) मनोनाश = eine Umwandlung des Innenorgans in Form von निरुद्धत्व (= निरोधपरिणाम). [Matthias]". Another section labeled "[2.4]" contains the text: "tathā ca patañjalir yogaśāstre sūtrayāmāsa :". At the bottom, there is a section labeled "[YS3.9]" with the text: "vyutthāna-nirodha-saṃskārayor abhivyaṅga-prādurbbhāvau nirodha".

# Text

- Sanskrit text:
  - prose
  - verses (quotes)
  - headings
- my annotations with:
  - links to the glossary
  - links to other positions in the text / to other texts

<http://localhost:8080/t/JV2#2.3>

The screenshot shows a web browser window titled "JV2 - Chromium" displaying a list of Sanskrit verb forms. The browser's address bar shows the URL "localhost:8080/t/JV2#2.3". The page content is a list of verb forms, each with its corresponding grammatical annotations in square brackets. The list includes forms like [pradpa], [jvAIA], [saMtAna], [vad], [vftti], [saMtAna], [rUpeRa], [pariRamamARa], [tvAd], [idam], [antaHkaraRa], [dravyaM], [manana+], [Atmaka-], [tvAn\*], [mana\*], [ity], [ucyate], [tasya], [nASo], [nAma], [vftti], [rUpaM], [pariRAMaM], [pariyajya], and [jivudDa]. Each form is followed by its grammatical details, such as the root, tense, mood, voice, and number.

```

msm: [pradpa-] t: [pradpa] p: [pradpa-] vn: [2.3] wn: [1]
msm: [jvAIA-] t: [jvAIA] p: [jvAIA-] vn: [2.3] wn: [2]
msm: [saMtAna-] t: [saMtAna] p: [saMtAna-] vn: [2.3] wn: [3]
msm: [vad-] t: [vad] p: [vat-] vn: [2.3] wn: [4]
msm: [vftti-] t: [vftti] p: [vftti-] vn: [2.3] wn: [5]
msm: [saMtAna-] t: [saMtAna] p: [saMtAna-] vn: [2.3] wn: [6]
msm: [rUpeRa] t: [rUpeRa ] p: [rUpeRa] vn: [2.3] wn: [7]
msm: [pariRamamARa-] t: [pariRamamARa] p: [pariRamamARa-] vn: [2.3] wn: [8]
msm: [tvAd] t: [tvAd] p: [tvA] vn: [2.3] wn: [9]
[Besser: *am]msm: [idam] t: [idam] p: [idam] vn: [2.3] wn: [10]
msm: [antaHkaraRa-] t: [antaHkaraRa] p: [antaHkaraRa-] vn: [2.3] wn: [11]
msm: [dravyaM] t: [dravyaM ] p: [dravyam] vn: [2.3] wn: [12]
msm: [manana+] t: [manana] p: [manana-] vn: [2.3] wn: [13]
msm: [Atmaka-] t: [tmaka] p: [Atmaka-] vn: [2.3] wn: [14]
msm: [tvAn*] t: [tvAn] p: [tvA] vn: [2.3] wn: [15]
msm: [mana*] t: [mana ] p: [manaH] vn: [2.3] wn: [16]
msm: [ity] t: [ity] p: [i] vn: [2.3] wn: [17]
msm: [ucyate] t: [ucyate ] p: [ucyate] vn: [2.3] wn: [18]
msm: [I] t: [I] p: [I] vn: [2.3] wn: [19]
msm: [tasya] t: [tasya ] p: [tasya] vn: [2.3] wn: [20]
msm: [nASo] t: [nASo ] p: [nASaH] vn: [2.3] wn: [21]
msm: [nAma] t: [nAma ] p: [nAma] vn: [2.3] wn: [22]
msm: [vftti-] t: [vftti] p: [vftti-] vn: [2.3] wn: [23]
msm: [rUpaM] t: [rUpaM ] p: [rUpam] vn: [2.3] wn: [24]
msm: [pariRAMaM] t: [pariRAMaM ] p: [pariRAMam] vn: [2.3] wn: [25]
msm: [pariyajya] t: [pariyajya ] p: [pariyajya] vn: [2.3] wn: [26]
msm: [jivudDa] t: [jivudDa] p: [jivudDa] vn: [2.3] wn: [27]

```

# Glossary

- my translation
- some standard relations/attributes
  - is synonymous to
  - is the opposite of
  - is a quality of
  - is an element of
  - is a cause of
  - is a result of
  - definition

<http://localhost:8080/wort/manonASa>

मनोनाश manonāśa #manonASa PW MW edit

Verschwinden des Denkkorgans

Synonym: धित्त-उपशम; निरोध  
 Definition: निरोध-परिणाम des धित्त  
 Wirkung: Neben वासनाक्षय und तत्त्वज्ञान eines der drei Mittel für जीवन्मुक्ति

Ursache: सुक्ति oder समाधि (JV3#51aff).  
 Zweck: MN schützt वासनाक्षय (JV3#1.1a).  
 Siehe: JV2#2.3.

yoga

Wort (SLP):

# Glossary

- links to
  - the index
  - external dictionaries
  - other words in the glossary
  - texts
- keywords

<http://localhost:8080/wort/manonASa>

मनोनाश manonāśa #manonASa PW MW edit

Verschwinden des Denkorgans

Synonym: वित्त-उपशम; निरोध  
 Definition: निरोध-परिणाम des वित्त  
 Wirkung: Neben वासनाक्षय und तत्त्वज्ञान eines der drei Mittel für जीयन्मुक्ति  
 Ursache: सुक्ति oder समाधि (JV3#51aff).  
 Zweck: MN schützt वासनाक्षय (JV3#1.1a).  
 Siehe: JV2#2.3.

yoga

Wort (SLP):

# Index

- links to
  - texts
  - glossary

<http://localhost:8080/i/manonASa#man>

The screenshot shows a web browser window titled "Index / manonASa - Chromium". The address bar displays "localhost:8080/i/manonASa#manonASa". The page content is a list of Sanskrit terms with their corresponding identifiers and references:

- मनोज्ञम् (#manojYam) [SL-2-15] [AM2-V7-6]
- मनोज्ञा (#manojYA) [AS1-V15-18]
- मनोज्ञान् (#manojYAn) [BCA2-17-18]
- मनोज्ञैः (#manojYEH) [BCA2-15-9]
- मनोज्वरः (#manojvaraH) [AN3-V9-15]
- मनोनाश (#manonASa) **[Glossar]**
- मनोनाश- (#manonASa-) [JV3-1.2-2]
  - मनोनाश-अभ्यास- (#manonASa-aByAsa-) [JV3-1.2-2]
- मनोनाशः (#manonASaH) [JV3-12.12-3] [JV3-LYV 5.10.26-3] [JV3-LYV 5.10.25ab-3] [JV3-3.11-3] [JV3-LYV 4.4.5-4]
- मनोनाशः] (#manonASaH]) [JV3-11.48-29]
- मनोनाशप्रकरणम् (#manonASaprakaraRam) [JV3-0-4]
- मनोनाशम् (#manonASam) [JV3-1.3-9] [JV3-1.1a-3]

## Used technology:

- XML
- Special marks for word-boundaries.
- Clojure (general purpose programming language),
- Webserver
- SQL database
- Emacs as XML-editor

## Encoding: XML

XML is the standard to mark different parts of texts like:

- "titel" `<titel1>...</titel1>`
- "anmerkungen" (annotations) `<anm a="Matthias">`
- "prose" `<pro n="1.1b">...</pro>`
- etc.

### Example

```
<pro n="2.3">
  pradīpa-jvālā-saṃtāna-vad-vṛtti-saṃtāna-rūpeṇa
  pariṇamamāṇa-tvād<note>Besser: °am</note>
  idam antaḥkaraṇa-dravyaṃ mananā^tmaka-tvān mana
  ity ucyate | [...]
</pro>
```

## Encoding: rnc

- The grammar of these XML-tags can be easily defined, e.g. with "Relax NG"
- There are many editors available, that understand the syntax of RNC and XML; e.g.
  - Emacs + nXML mode
  - Oxygen

### Example

```
Titel1 = element titel1 {TextWithNote}  
Pro = element pro {(attribute n {text})?, TextWithNote}  
Anm = element anm {(attribute a {text})?, TextWithNote}
```

## Encoding: Markup of Words

### XML + Sandhi separation

```
<pro n="2.3">    [...]
    idam antaḥkaraṇa-dravyaṃ manana+-ātmaka-tvān* mana*
    ity ucyate | [...] </pro>
```

### Devanagari

[2.3] [...] इदमन्तःकरणद्रव्यं मननात्मकत्वान्मन  
इत्युच्यते | [...]

### Roman

[2.3] [...] idam antaḥkaraṇa-dravyaṃ  
mananātmaka-tvān mana ity ucyate